

## **Historic, archived document**

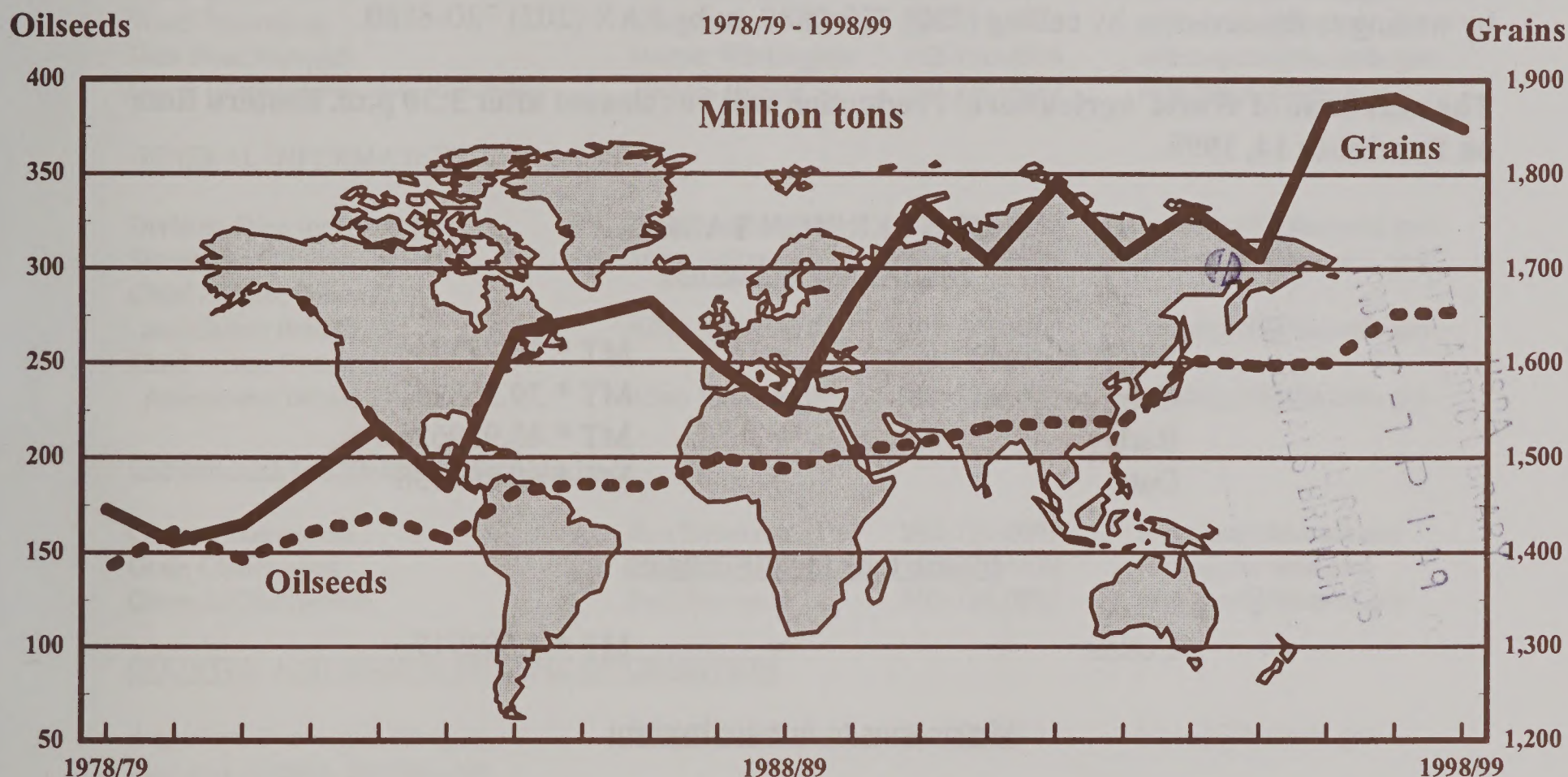
Do not assume content reflects current scientific knowledge, policies, or practices.





# World Agricultural Production

## World Production



The 1998/99 grain area (wheat, coarse grains, and milled rice) declined 7.0 million hectares from last year to an estimated 683.7 million hectares, partially in response to low grain prices. Global grain area has contracted from the 1978/79 level of 713.4 million hectares as producers idled more area and shifted into other crops such as oilseeds. Average yield increased 33 percent from the previous two decades to 2.70 tons per hectare in 1998/99. An increase in inputs and a decline in lower yielding grain crops contributed to the increase in yields. Global 1998/99 grain production is forecast at 1,849 million tons, up 403 million from 1978/79. For this season, the crop is lower than 1997/98 because of moderate declines in world wheat and rice output and slightly reduced global coarse grain crops.

World demand for high protein animal feeds and vegetable oil has pushed area for the major oilseeds up to record levels, climbing from 120.4 million hectares in 1978/79 to 170.8 million this season, a 42 percent increase. Average yield increased 38 percent from 1978/79 to 1.62 tons per hectare in 1998/99. World oilseed production is up 95 percent from 1978/79 to 277.2 million tons in 1998/99. With area up and yield down from 1997/98 to 1998/99, production during the year is estimated to be up less than 1 percent.



This report draws on information from USDA's global network of agricultural attaches and counselors, official statistics of foreign governments, other foreign source materials, and results of office analysis. Estimates of U.S. acreage, yield, and production are from the USDA's Agricultural Statistics Board, except where noted. This report is based on unrounded data; numbers may not add to totals because of rounding. This report reflects official USDA estimates released in the World Agricultural Supply and Demand Estimates (WASDE-344), November 10, 1998.

This report was prepared by the Production Estimates and Crop Assessment Division (PECAD), FAS/USDA, AgStop 1045, Washington, D.C. 20250-1045. Further information may be obtained by writing to the division, by calling (202) 720-0888, or by FAX (202) 720-8880.

**The next issue of World Agricultural Production will be released after 3:30 p.m. Eastern time on December 14, 1998.**

### CONVERSION TABLE

#### Metric tons to bushels

Wheat & soybeans	=	MT * 36.7437
Corn, sorghum, rye	=	MT * 39.36825
Barley	=	MT * 45.929625
Oats	=	MT * 68.894438

#### Metric tons to 480-lb bales

Cotton	=	MT * 4.592917
--------	---	---------------

#### Metric tons to hundredweight

Rice	=	MT * 22.04622
------	---	---------------

#### Area & Weight

1 hectare	=	2.471044 acres
1 kilogram	=	2.204622 pounds

---

The United States Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, political beliefs, sexual orientation, and marital or family status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14<sup>th</sup> and Independence Avenue, SW, Washington, DC 20250-9410 or call (202) 720-5964 (voice or TDD). USDA is an equal employment opportunity provider and employer.



For Information Contact:  
U.S. Department of Agriculture  
Foreign Agricultural Service  
Production Estimates and Crop Assessment Division  
Room 6053, South Building  
Washington D.C. 20250  
Telephone: (202) 720-0888  
Fax: (202) 720-8880

---

#### CIRCULAR PUBLICATION

		<u>Phone</u>	<u>E-mail</u>
Circular Coordinator	Ron Roberson	202-720-0879	roberson@fas.usda.gov
Word Processing	Mary Jackson	202-720-0888	jacksonma@fas.usda.gov
Data Base Manager	Marnet Whittington	202-720-0886	whittington@fas.usda.gov
Cover Graphics and Data Reliability	Theresa Wright	202-720-8887	wrightt@fas.usda.gov

#### GENERAL INFORMATION

Division Director (Acting)	Allen Vandergriff	202-720-0888	vandergriff@fas.usda.gov
Secretary	Mary Jackson	202-720-0888	jacksonma@fas.usda.gov
Chief - Grain, Oilseeds, and Cotton Branch	Allen Vandergriff	202-720-0865	vandergriff@fas.usda.gov
Chief - Crop Condition Assessment Branch (Acting)	Allen Vandergriff	202-720-0865	vandergriff@fas.usda.gov

#### COMMODITY SPECIFIC INFORMATION

Cotton Chairperson	Ron Roberson	202-720-0879	roberson@fas.usda.gov
Grain Chairperson	Timothy Rocke	202-720-1572	rocke@fas.usda.gov
Oilseeds Chairperson	Paul Provance	202-720-0881	provance@fas.usda.gov

#### COUNTRY AND REGION SPECIFIC INFORMATION

Argentina, Brazil, and Paraguay	John Turner	202-690-0138	turnerj@fas.usda.gov
Morocco, Algeria, Tunisia, and Egypt	Brenda Pressnall	202-690-0139	pressnall@fas.usda.gov
Canada, Southeast Asia, and Europe	Vacant	202-720-0882	
China, Koreas, Japan, and S. Africa	Paulette Sandene	202-690-0133	sandene@fas.usda.gov
Former Soviet Union, Bangladesh, and India	Mark Lindeman	202-690-0143	lindeman@fas.usda.gov
Mexico and United States	Ron White	202-690-0137	whiter@fas.usda.gov
Middle East and United States	John Turner	202-690-0138	turnerj@fas.usda.gov
United States and Int'l Weather	Carl Gernazio	202-690-0136	gernazio@fas.usda.gov
Australia, Bangladesh, India, and Pakistan	Jim Crutchfield	202-690-0135	crutchfield@fas.usda.gov
Remote Sensing Specialist	Vacant	202-690-0134	

#### WEB SITES OF INTEREST

Foreign Agricultural Service at <http://www.fas.usda.gov>  
FAS Weekly Weather Maps at <http://www.fas.usda.gov/pecad/weather/weekly.html>  
National Agricultural Statistics Service at <http://www.usda.gov/nass>  
World Agricultural Outlook Board at <http://www.usda.gov/oce/waob>  
Economic Research Service at <http://www.econ.ag.gov>  
Joint Agricultural Weather Facility at <http://www.usda.gov/oce/waob/jawf>



## TABLE OF CONTENTS

November 1998

<u>SUBJECT</u>	<u>PAGE</u>
<u>PRODUCTION HIGHLIGHTS FOR 1998/99</u>	
Wheat .....	6
Coarse Grains .....	7
Rice .....	8
Oilseeds .....	9
Cotton .....	10

### TABLES

Table 1. U.S. Crop Acreage, Yield, and Production .....	11
Table 2. World Crop Production Summary .....	12
Table 3. Wheat Area, Yield, and Production:	
World and Selected Countries and Regions .....	13
Table 4. Total Coarse Grain Area, Yield, and Production:	
World and Selected Countries and Regions .....	14
Table 5. Corn Area, Yield, and Production:	
World and Selected Countries and Regions .....	15
Table 6. Barley Area, Yield, and Production:	
World and Selected Countries and Regions .....	16
Table 7. Oats Area, Yield, and Production:	
World and Selected Countries and Regions .....	17
Table 8. Rye Area, Yield, and Production:	
World and Selected Countries and Regions .....	18
Table 9. Sorghum Area, Yield, and Production:	
World and Selected Countries and Regions .....	19
Table 10. Rice Area, Yield, and Production:	
World and Selected Countries and Regions .....	20
Table 11. Total Oilseed Area, Yield, and Production:	
World and Selected Countries and Regions .....	21
Table 12. Soybean Area, Yield, and Production:	
World and Selected Countries and Regions .....	22
Table 13. Cottonseed Area, Yield, and Production:	
World and Selected Countries and Regions .....	23
Table 14. Peanut Area, Yield, and Production:	
World and Selected Countries and Regions .....	24
Table 15. Sunflowerseed Area, Yield, and Production:	
World and Selected Countries and Regions .....	25
Table 16. Rapeseed Area, Yield, and Production:	
World and Selected Countries and Regions .....	26
Table 17. Copra, Palm Kernel, and Palm Oil Production:	
World and Selected Countries and Regions .....	27
Table 18. Cotton Area, Yield, and Production:	
World and Selected Countries and Regions .....	28



TABLES

Table 19. Reliability of November Production Projections .....	29
----------------------------------------------------------------	----

MAPS

Map 1. World Agricultural Weather Highlights .....	30
Map 2. November Normal Crop Calendar .....	31
Map 3. December Normal Crop Calendar .....	32
Map 4. Former Soviet Union: Weather and Crop Highlights .....	39
Map 5. China: Weather and Crop Highlights .....	40

WEATHER BRIEFS

Australia: East Continues To Be Too Wet .....	33
Central America: Hurricane Mitch Causes Massive Crop Damage .....	34
Philippines: Rainfall Increases; Two Typhoons Hit Luzon .....	34

PRODUCTION BRIEFS

Australia: Wheat and Barley Reduced Due To Unfavorable Weather .....	35
Russia: Grains Output Lowered Based On Harvest Progress .....	35
Kazakstan: Wheat Production Reduced As Yield Is Cut .....	36
Mexico: Coarse Grain Output Increases Due To Extended Rains .....	36
European Union: Coarse Grain Output Revised Lower .....	36
Philippines: Rice Output Lowered Due To Typhoons .....	37
United States: Crop Condition and Progress .....	37
Former Soviet Union: Weather and Crop Developments .....	38

FEATURE COMMODITY ARTICLES

World Grains and Oilseeds Area and Production .....	41
Central and East Africa Grain Production .....	51
World Palm Oil Production .....	61

FEATURE TABLES

Table 20. Central and East Africa: Area, Yield, and Production. ....	55-60
Table 21. World Palm Oil Production .....	63

FEATURE CHARTS

Chart 1. World Grain and Oilseed Area and Production .....	42
Chart 2. United States Grain and Oilseed Area and Production .....	43
Chart 3. Argentine Grain and Oilseed Area and Production .....	44
Chart 4. Brazilian Grain and Oilseed Area and Production .....	45
Chart 5. Canadian Grain and Oilseed Area and Production .....	46
Chart 6. Chinese Grain and Oilseed Area and Production .....	47
Chart 7. EU Grain and Oilseed Area and Production .....	48
Chart 8. FSU Grain and Oilseed Area and Production .....	49
Chart 9. Indian Grain and Oilseed Area and Production .....	50
Chart 10. Cental and East Africa Grain Production .....	54



# PRODUCTION HIGHLIGHTS FOR 1998/99

November 1998

## WHEAT

----- 1998/99 -----

<u>Country</u>	<u>Current Estimate</u>	<u>Monthly Change</u>	<u>Monthly Change</u>	<u>Change from 1997/98</u>	<u>Comments</u>
	MMT	MMT	(%)	(%)	
World	588.3	-2.3	-0	-4	Production is forecast lower due to a decline in the total foreign category.
United States	69.6	NC	NC	+1	Production is unchanged this month.
Total Foreign	518.7	-2.3	-0	-4	Production is forecast lower due to reductions in Australia, Russia, Kazakstan, Brazil, and South Africa.
Australia	22.0	-1.5	-6	+13	Production is forecast lower based on excessive rainfall in News South Wales that reduced yield potential.
Russia	28.0	-0.5	-2	-37	Production is forecast lower due to harvest progress reports that indicate reduced yield.
Kazakstan	5.0	-0.5	-9	-44	Production is forecast down based on preliminary harvest results indicating lower yield.
Brazil	2.2	-0.2	-6	-8	Production is forecast lower as prolonged rains during the harvest in Parana and Rio Grande do Sul reduced yield.
South Africa	1.5	-0.1	-8	-35	Production is forecast lower due to official estimates lowering yield prospects.
Pakistan	18.7	+0.2	+1	+12	Production is forecast at a record due to an upward revision in yield.



# COARSE GRAINS

----- 1998/99 -----

<u>Country</u>	<u>Current Estimate</u>	<u>Monthly Change</u>	<u>Monthly Change</u>	<u>Change from 1997/98</u>	<u>Comments</u>
	MMT	MMT	(%)	(%)	
World	883.9	+0.9	+0	-0	Production is forecast higher as an increase in the United States more than offsets a decrease in the total foreign category.
United States	273.7	+2.4	+1	+3	Production is forecast higher due mainly to an increase in corn. Corn output and yield is estimated to be the second highest in history.
Total Foreign	610.2	-1.4	-0	-2	Production is forecast lower as decreases in the EU-15, Belarus, Brazil, Russia, and Australia more than offset increases in Mexico and Yugoslavia.
EU-15	104.1	-0.9	-1	-5	Production is forecast lower mainly due to yield reductions for corn in France and Italy and for barley in the United Kingdom.
Belarus	4.2	-0.7	-14	-19	Production is forecast lower for barley and rye based on initial harvest results.
Brazil	35.3	-0.5	-1	+11	Production is forecast lower due to a downward adjustment in expected corn area.
Russia	21.1	-0.5	-2	-48	Production is forecast lower based on preliminary harvest progress results that indicate lower barley yield.
Australia	8.3	-0.5	-6	-10	Production is forecast lower as prospective barley yield is reduced based on unfavorable weather.
Ethiopia	6.5	-0.4	-5	+23	Production is forecast lower for sorghum and millet output.
Mexico	25.1	+1.1	+4	+8	Production is forecast higher as late-planted corn benefitted from a long rainy season. Also, corn production for 1997/98 is revised lower.
Yugoslavia	8.9	+0.5	+6	-16	Production is forecast higher due to increased corn output in Serbia and Croatia.
Indonesia	6.3	+0.3	+5	+11	Production is forecast higher due to adequate rainfall and increased use of hybrid corn.
Kenya	2.9	+0.3	+12	+14	Production is forecast higher due to favorable rainfall that boosted corn yield.
Thailand	4.7	+0.2	+4	+21	Production is forecast higher due to favorable rainfall and increased use of high yield corn varieties.



# RICE (MILLED BASIS)

----- 1998/99 -----

<u>Country</u>	<u>Current Estimate</u>	<u>Monthly Change</u>	<u>Monthly Change</u>	<u>Change from 1997/98</u>	<u>Comments</u>
	MMT	MMT	(%)	(%)	
World	376.6	+0.4	+0	-2	Production is forecast higher as an increase in the total foreign category more than offsets a decrease in the United States.
United States	5.9	-0.0	-1	+1	Production is estimated lower due to a decline in yield.
Total Foreign	370.7	+0.4	+0	-2	Production is forecast higher as increases in Thailand, Iran, Brazil, Australia, and Tanzania more than offset decreases in the Philippines and EU-15.
Thailand	15.0	+0.2	+1	-1	Production is forecast higher based on an increase in yield due to favorable rainfall.
Iran	1.8	+0.2	+9	+9	Production is forecast higher due to reports of increased yield.
Brazil	6.8	+0.1	+2	+17	Production is forecast higher due to increased area.
Australia	0.9	+0.1	+12	-8	Production is forecast higher based on an ABARE report citing increased area. Rainfall has been plentiful.
Tanzania	0.6	+0.1	+29	+53	Production is forecast higher due to an increase in area and yield.
Philippines	6.9	-0.3	-4	+7	Production is forecast lower due to extensive damage caused by two typhoons that reduced area and yield prospects.
EU-15	1.6	-0.1	-6	-2	Production is forecast lower mainly due to an area reduction in Italy.



## OILSEEDS

----- 1998/99 -----

<u>Country</u>	<u>Current Estimate</u>	<u>Monthly Change</u>	<u>Monthly Change</u>	<u>Change from 1997/98</u>	<u>Comments</u>
	MMT	MMT	(%)	(%)	
World	288.0	-0.3	-0	+0	Production is estimated lower due to reduction in the United States and the total foreign category.
United States	84.1	-0.2	-0	+1	Production is forecast down as lower yields for soybeans and cottonseed more than offset an increase for peanuts.
Total Foreign	203.9	-0.2	-0	+0	Production is estimated lower as decreases in Uzbekistan and Sudan more than offset an increase in Paraguay.
Uzbekistan	2.0	-0.2	-9	-13	Production is forecast lower due to a reduction in cottonseed yield.
Sudan	0.5	-0.1	-17	-9	Production is estimated lower because of declines in cottonseed area and yield.
Paraguay	3.3	+0.2	+6	+10	Production is forecast higher as improved cultural practices for soybeans increase potential yield.

## PALM OIL

----- 1998/99 -----

<u>Country</u>	<u>Current Estimate</u>	<u>Monthly Change</u>	<u>Monthly Change</u>	<u>Change from 1997/98</u>	<u>Comments</u>
	MMT	MMT	(%)	(%)	
World	17.7	NC	NC	+5	No change this month for 1998/99, but production for 1997/98 was estimated lower by 0.1 million tons because of a reduction in Malaysia.



# COTTON

----- 1998/99 -----

<u>Country</u>	<u>Current Estimate</u>	<u>Monthly Change</u>	<u>Monthly Change</u>	<u>Change from 1997/98</u>	<u>Comments</u>
	MBALES	MBALES	(%)	(%)	
World Total	83.7	-1.1	-1	-8	Production is forecast down based on lower production in the United States and the total foreign category.
United States	13.2	-0.1	-0	-30	Production is estimated lower due to a small drop in yield offsetting a slight gain in area.
Total Foreign	70.5	-1.0	-1	-3	Production is forecast lower due to decreases in Uzbekistan, Sudan, Argentina, and Azerbaijan.
Uzbekistan	4.6	-0.4	-8	-13	Production is forecast lower due to decreased yield potential as unfavorable weather hindered production.
Sudan	0.3	-0.2	-40	-25	Production is estimated down reflecting the effect of intense rainfall during recent months, reducing area and yield.
Argentina	1.5	-0.1	-6	+11	Production is forecast down as reduced cotton area reflects a shortage of credit due to the recent decline in world cotton prices.
Azerbaijan	0.2	-0.1	-33	+5	Production is forecast lower due to decreased yield potential as unfavorable weather and economic problems hampered production.



TABLE 1

# U.S. Crop Acreage, Yield, and Production

COMMODITY	Planted Area			Harvested Area			Yield			Production			
	1996/97	1997/98	Proj. 1998/99	1996/97	1997/98	Proj. 1998/99	1996/97	1997/98	Prel. 1998/99 Proj. Oct. Nov.	1996/97	1997/98	Prel. 1998/99 Proj. Oct. Nov.	
	--Million acres--			--Million acres--			--Bushels per acre--			--Million bushels--			
All Wheat	75.6	71.0	66.2	62.9	63.6	59.1	36.3	39.7	43.3	2,285	2,527	2,557	2,557
	52.0	48.3	46.8	39.7	41.8	40.2	37.2	45.0	46.9	1,478	1,883	1,887	1,887
	23.6	22.7	19.4	23.2	21.8	18.9	34.8	29.5	35.4	807	644	670	670
Soybeans	64.2	70.6	72.7	63.4	69.6	71.6	37.6	38.8	38.7	2,382	2,703	2,769	2,763
Corn	79.5	80.2	80.8	73.1	73.7	73.8	127.1	127.0	132.0	9,293	9,366	9,743	9,836
Sorghum	13.2	10.1	9.7	11.9	9.4	7.8	67.5	69.5	66.5	803	653	521	521
Barley	7.1	6.9	6.5	6.8	6.4	6.0	58.5	58.3	59.9	396	374	358	358
Oats	4.7	5.2	4.9	2.7	2.9	2.8	57.8	60.5	60.5	155	176	170	170
							--Pounds per acre--			--Million CWT--			
Rice	2.8	3.1	3.2	2.8	3.0	3.2	6,121	5,896	5,660	171.3	178.9	181.5	180.4
										--Million 480-pound bales--			
All Cotton	14.6	13.8	12.9	12.9	13.3	10.4	707	680	616	18.9	18.8	13.3	13.2

November 1998

Production Estimates and Crop Assessment Division, FAS, USDA



TABLE 2  
World Crop Production Summary

Commodity	World	Total Foreign	North America		Europe		FSU-12	Asia				South America		Selected Other			All Others				
			United States	Canada	Mexico	Europe Union		Oth. Europe	W. Europe	Eastern Europe	China	India	Indonesia	Pakistan	Thailand	Argentina		Brazil	Australia	South Africa	Turkey
---Million metric tons---																					
Wheat	1996/97	582.9	520.8	62.2	29.8	3.5	98.5	2.2	26.1	63.3	110.6	62.1	0.0	16.9	0.0	15.9	3.2	23.7	2.7	16.0	46.2
	1997/98 prel.	611.0	542.2	68.8	24.3	3.5	94.4	1.0	34.4	80.5	123.3	69.3	0.0	16.7	0.0	14.8	2.4	19.4	2.3	16.0	40.0
	1998/99 proj.																				
	Oct.	590.6	521.0	69.6	23.3	3.3	103.4	1.5	34.0	58.7	110.0	67.0	0.0	18.5	0.0	10.5	2.4	23.5	1.6	18.0	45.5
Nov.	588.3	518.7	69.6	23.3	3.3	103.4	1.5	33.9	57.9	110.0	67.0	0.0	18.7	0.0	10.5	2.2	22.0	1.5	18.0	45.6	
Coarse Grains	1996/97	907.9	640.3	267.6	28.2	26.5	103.8	3.7	49.5	52.1	141.3	34.3	6.0	1.8	4.1	18.9	37.0	10.1	9.6	9.8	103.6
	1997/98 prel.	885.6	620.1	265.4	24.9	23.2	109.4	2.2	58.5	67.9	114.7	30.7	5.7	1.9	3.9	24.7	31.8	9.2	8.1	8.1	95.3
	1998/99 proj.																				
	Oct.	882.9	611.6	271.3	25.2	24.0	105.1	2.9	49.2	42.2	135.7	30.9	6.0	1.9	4.5	19.0	35.8	8.8	9.0	10.7	100.9
Nov.	883.9	610.2	273.7	25.2	25.1	104.1	2.9	49.7	40.8	135.7	30.9	6.3	1.9	4.7	19.0	35.3	8.3	9.1	10.7	100.7	
Rice (Milled)	1996/97	380.2	374.7	5.5	0.0	0.3	1.6	0.0	0.0	0.7	136.6	81.3	32.1	4.3	13.7	0.8	6.5	1.0	0.0	0.3	95.6
	1997/98 prel.	385.0	379.1	5.8	0.0	0.3	1.7	0.0	0.0	0.8	140.5	83.5	30.2	4.4	15.1	0.7	5.8	1.0	0.0	0.2	95.0
	1998/99 proj.																				
	Oct.	376.3	370.4	5.9	0.0	0.3	1.7	0.0	0.0	0.8	132.0	81.5	33.0	4.6	14.8	0.8	6.7	0.8	0.0	0.2	93.1
Nov.	376.6	370.7	5.9	0.0	0.3	1.6	0.0	0.0	0.8	132.0	81.5	33.0	4.6	15.0	0.8	6.8	0.9	0.0	0.2	93.2	
Total Grains 1/	1996/97	1871.0	1535.8	335.2	58.0	30.3	203.8	5.9	75.7	116.2	388.5	177.8	38.0	23.0	17.8	35.6	46.6	34.8	12.3	26.1	245.5
	1997/98 prel.	1881.5	1541.5	340.0	49.2	27.0	205.6	3.2	93.0	149.1	378.4	183.5	35.9	22.9	19.0	40.1	40.0	29.6	10.3	24.3	230.3
	1998/99 proj.																				
	Oct.	1849.8	1503.0	346.9	48.5	27.6	210.2	4.4	83.2	101.6	377.7	179.4	39.0	25.0	19.3	30.3	44.8	33.1	10.6	29.0	239.5
Nov.	1848.8	1499.6	349.2	48.5	28.7	209.1	4.4	83.6	99.5	377.7	179.4	39.3	25.2	19.7	30.3	44.3	31.2	10.5	29.0	239.5	
Oilseeds 2/	1996/97	261.2	186.4	74.8	7.3	0.5	13.0	0.1	4.7	8.5	41.4	27.3	2.5	3.7	0.5	17.5	27.5	1.8	0.8	1.9	27.6
	1997/98 prel.	287.0	203.4	83.6	9.2	0.6	15.0	0.1	4.3	9.1	43.4	25.7	2.4	3.5	0.5	25.3	31.8	2.0	0.9	2.0	27.5
	1998/99 proj.																				
	Oct.	288.3	204.1	84.3	9.9	0.6	15.8	0.1	5.3	9.8	40.7	27.1	2.5	3.8	0.5	24.4	29.8	3.0	0.9	2.0	27.9
Nov.	288.0	203.9	84.1	9.9	0.6	15.8	0.1	5.4	9.5	40.7	27.1	2.5	3.8	0.5	24.4	29.8	3.0	0.9	2.0	27.9	
Cotton	1996/97	89.4	70.5	18.9	0.0	1.1	1.9	0.0	0.0	6.6	19.3	13.8	0.0	7.3	0.0	1.5	1.3	2.8	0.2	3.6	11.1
	1997/98 prel.	91.2	72.4	18.8	0.0	1.0	2.1	0.0	0.0	7.2	21.1	12.0	0.0	7.0	0.0	1.4	1.8	3.1	0.2	3.8	11.8
	1998/99 proj.																				
	Oct.	84.8	71.5	13.3	0.0	1.0	2.1	0.0	0.0	7.4	18.8	12.5	0.0	7.5	0.0	1.6	1.8	3.2	0.2	3.7	11.7
Nov.	83.7	70.5	13.2	0.0	1.0	2.1	0.0	0.0	6.8	18.8	12.5	0.0	7.5	0.0	1.5	1.8	3.2	0.2	3.7	11.3	

1/ Includes wheat, coarse grains, and rice (milled) shown above.

2/ Includes soybean, cottonseed, peanut (inshell), sunflowerseed, rapeseed for individual countries. Copra and palm kernel are added to world totals.

Note: Entries of 0.0 indicate no reported or insignificant production.

November 1998

Production Estimates and Crop Assessment Division, FAS, USDA



TABLE 3  
Wheat Area, Yield, and Production  
World and Selected Countries and Regions

Country/Region	Area				Yield				Production				Change in Production			
	Prel.		1998/99 Proj.		Prel.		1998/99 Proj.		Prel.		1998/99 Proj.		From last month		From last year	
	1996/97	1997/98	Oct.	Nov.	1996/97	1997/98	Oct.	Nov.	1996/97	1997/98	Oct.	Nov.	MMT	Percent	MMT	Percent
	Million hectares				Metric tons per hectare				Million metric tons							
World	231.20	229.87	225.62	225.14	2.52	2.66	2.62	2.61	582.95	610.98	590.62	588.30	-2.33	-0.39	-22.68	-3.71
United States	25.47	25.73	23.92	23.92	2.44	2.67	2.91	2.91	62.19	68.76	69.60	69.60	0.00	0.00	0.84	1.23
Total Foreign	205.73	204.14	201.69	201.22	2.53	2.66	2.58	2.58	520.76	542.22	521.02	518.69	-2.33	-0.45	-23.53	-4.34
Major Exporters																
European Union	47.44	44.55	44.10	43.78	3.54	3.43	3.64	3.64	167.91	152.95	160.66	159.16	-1.50	-0.93	6.21	4.06
France	16.74	17.13	17.00	17.03	5.89	5.51	6.08	6.07	98.51	94.45	103.36	103.36	0.00	0.00	8.91	9.43
United Kingdom	5.02	5.11	5.23	5.23	7.15	6.66	7.66	7.66	35.94	34.00	40.00	40.00	0.00	0.00	6.00	17.65
Germany	1.98	2.04	2.10	2.10	8.15	7.39	7.62	7.38	16.10	15.05	16.00	15.50	-0.50	-3.13	0.45	2.99
Canada	2.59	2.72	2.79	2.79	7.29	7.29	7.20	7.20	18.92	19.83	20.10	20.10	0.00	0.00	0.27	1.38
Australia	12.26	11.41	10.60	10.60	2.43	2.13	2.20	2.20	29.80	24.28	23.30	23.30	0.00	0.00	-0.98	-4.04
Argentina	11.34	10.31	11.80	11.45	2.09	1.88	1.99	1.92	23.70	19.42	23.50	22.00	-1.50	-6.38	2.58	13.30
	7.10	5.70	4.70	4.70	2.24	2.60	2.23	2.23	15.90	14.80	10.50	10.50	0.00	0.00	-4.30	-29.05
Major Importers																
China	92.65	93.92	91.64	91.37	2.33	2.67	2.37	2.36	216.24	250.33	216.87	215.87	-1.00	-0.46	-34.46	-13.77
FSU-12	29.61	30.06	29.80	29.80	3.73	4.10	3.69	3.69	110.57	123.30	110.00	110.00	0.00	0.00	-13.30	-10.79
Russia	47.73	48.37	46.14	45.87	1.33	1.66	1.27	1.26	63.30	80.51	58.65	57.90	-0.75	-1.28	-22.61	-28.08
Ukraine	25.72	26.10	25.90	25.90	1.36	1.69	1.10	1.08	34.90	44.20	28.50	28.00	-0.50	-1.75	-16.20	-36.65
Kazakstan	5.89	6.50	5.90	5.90	2.30	2.83	2.54	2.54	13.55	18.40	15.00	15.00	0.00	0.00	-3.40	-18.48
Baltic States	12.20	11.50	10.00	10.00	0.63	0.78	0.55	0.50	7.70	8.95	5.50	5.00	-0.50	-9.09	-3.95	-44.13
Eastern Europe	0.52	0.57	0.58	0.58	2.68	2.69	2.61	2.61	1.40	1.55	1.50	1.50	0.00	0.00	-0.04	-2.91
Poland	8.73	9.86	9.58	9.58	2.99	3.49	3.55	3.54	26.13	34.41	33.97	33.87	-0.10	-0.29	-0.54	-1.57
Romania	2.48	2.56	2.58	2.58	3.46	3.21	3.61	3.69	8.58	8.19	9.30	9.50	0.20	2.15	1.31	15.95
Egypt	1.80	2.35	2.00	2.00	1.76	3.06	2.60	2.60	3.17	7.19	5.20	5.20	0.00	0.00	-1.99	-27.64
Morocco	1.02	1.04	1.05	1.05	5.64	5.60	5.71	5.71	5.74	5.85	6.00	6.00	0.00	0.00	0.15	2.56
Brazil	3.21	2.49	3.10	3.10	1.84	0.93	1.42	1.42	5.92	2.32	4.40	4.40	0.00	0.00	2.08	89.90
	1.83	1.52	1.40	1.40	1.74	1.58	1.68	1.57	3.20	2.40	2.35	2.20	-0.15	-6.38	-0.20	-8.33
Other Foreign																
India	65.65	65.68	65.95	66.07	2.08	2.12	2.18	2.17	136.61	138.94	143.49	143.66	0.17	0.12	4.72	3.40
Turkey	25.01	25.93	25.60	25.60	2.48	2.67	2.62	2.62	62.10	69.28	67.00	67.00	0.00	0.00	-2.28	-3.28
Pakistan	8.45	8.50	8.60	8.60	1.89	1.88	2.09	2.09	16.00	16.00	18.00	18.00	0.00	0.00	2.00	12.50
Mexico	8.38	8.11	8.40	8.40	2.02	2.05	2.20	2.23	16.91	16.65	18.50	18.70	0.20	1.08	2.05	12.31
Saudi Arabia	0.81	0.81	0.80	0.80	3.84	4.32	4.13	4.13	3.11	3.50	3.30	3.30	0.00	0.00	-0.20	-5.71
South Africa	0.27	0.34	0.34	0.34	4.53	5.36	5.37	5.37	1.20	1.80	1.80	1.80	0.00	0.00	0.00	0.00
Others	1.29	1.38	0.75	0.75	2.09	1.65	2.13	1.97	2.70	2.28	1.60	1.48	-0.13	-7.81	-0.81	-35.39
	21.44	20.61	21.47	21.59	1.61	1.43	1.55	1.55	34.60	29.43	33.29	33.39	0.10	0.29	3.95	13.43

November 1998

Production Estimates and Crop Assessment Division, FAS, USDA



**TABLE 4**  
**Total Coarse Grain Area, Yield, and Production**  
**World and Selected Countries and Regions**

Country/Region	Area				Yield				Production				Change in Production			
	Prel.		1998/99 Proj.		Prel.		1998/99 Proj.		Prel.		1998/99 Proj.		From last month		From last year	
	1996/97	1997/98	Oct.	Nov.	1996/97	1997/98	Oct.	Nov.	1996/97	1997/98	Oct.	Nov.	MMT	Percent	MMT	Percent
	Million hectares				Metric tons per hectare				Million metric tons							
World	322.81	312.71	310.66	309.46	2.81	2.83	2.84	2.86	907.87	885.56	882.93	883.86	0.93	0.11	-1.70	-0.19
United States	38.38	37.55	36.78	36.78	6.97	7.07	7.38	7.44	267.56	265.42	271.33	273.67	2.35	0.86	8.25	3.11
Total Foreign	284.43	275.16	273.88	272.68	2.25	2.25	2.23	2.24	640.32	620.14	611.60	610.19	-1.41	-0.23	-9.95	-1.60
Major Exporters																
Canada	23.57	22.44	21.58	21.56	3.01	3.15	3.08	3.07	70.95	70.76	66.47	66.20	-0.26	-0.40	-4.55	-6.43
Argentina	8.00	7.59	7.34	7.34	3.52	3.29	3.43	3.43	28.19	24.94	25.15	25.15	0.00	0.00	0.21	0.84
Australia	4.66	4.67	4.35	4.35	4.06	5.28	4.36	4.36	18.93	24.67	18.99	18.99	0.00	0.00	-5.68	-23.04
South Africa	5.20	5.00	4.54	4.54	1.95	1.84	1.94	1.83	10.15	9.19	8.81	8.31	-0.50	-5.68	-0.88	-9.60
Thailand	4.34	3.94	3.99	3.97	2.21	2.05	2.26	2.28	9.58	8.06	9.03	9.06	0.03	0.39	1.00	12.44
	1.36	1.24	1.36	1.36	3.01	3.15	3.31	3.46	4.10	3.90	4.50	4.70	0.20	4.44	0.80	20.51
Major Importers																
FSU-12	86.76	87.35	81.63	81.72	2.72	3.02	2.75	2.74	236.34	263.48	224.79	224.19	-0.60	-0.27	-39.29	-14.91
Russia	38.28	39.38	34.27	34.26	1.36	1.72	1.23	1.19	52.15	67.87	42.19	40.81	-1.38	-3.26	-27.06	-39.87
Ukraine	24.76	25.19	21.80	21.80	1.28	1.62	0.99	0.97	31.65	40.85	21.60	21.10	-0.50	-2.31	-19.75	-48.35
Kazakhstan	5.34	6.80	6.36	6.36	1.78	2.26	1.75	1.75	9.51	15.35	11.10	11.10	0.00	0.00	-4.25	-27.69
Baltic States	4.55	3.96	2.69	2.69	0.71	0.80	0.55	0.52	3.23	3.16	1.49	1.39	-0.10	-6.71	-1.77	-56.01
European Union	1.20	1.23	1.23	1.23	2.20	2.25	2.24	2.24	2.65	2.77	2.76	2.76	0.00	0.00	-0.01	-0.33
Germany	19.64	20.47	19.83	19.86	5.28	5.35	5.30	5.24	103.75	109.44	105.07	104.13	-0.94	-0.89	-5.31	-4.86
France	4.11	4.30	4.22	4.22	5.64	5.97	5.74	5.74	23.21	25.66	24.24	24.24	0.00	0.00	-1.42	-5.53
Eastern Europe	3.67	3.99	3.86	3.88	7.07	7.34	7.08	7.02	25.96	29.26	27.30	27.26	-0.04	-0.15	-2.00	-6.85
Poland	16.30	16.33	15.86	15.94	3.04	3.58	3.10	3.12	49.52	58.54	49.16	49.68	0.52	1.07	-8.86	-15.14
Romania	6.24	6.34	6.28	6.28	2.68	2.71	2.80	2.77	16.72	17.21	17.58	17.38	-0.20	-1.14	0.17	0.97
Czech Rep.	4.04	3.88	3.73	3.73	2.74	3.86	2.46	2.46	11.06	14.95	9.16	9.16	0.00	0.00	-5.80	-38.78
Mexico	0.76	0.84	0.76	0.76	3.73	3.79	3.68	3.68	2.85	3.19	2.78	2.78	0.00	0.00	-0.42	-13.12
Other W. Europe	10.97	9.57	10.08	10.08	2.42	2.42	2.38	2.49	26.49	23.16	24.03	25.10	1.08	4.47	1.94	8.38
	0.38	0.37	0.37	0.35	4.74	4.58	4.35	4.83	1.79	1.70	1.60	1.71	0.11	6.94	0.01	0.59
Other Foreign																
China	174.10	165.37	170.68	169.40	1.91	1.73	1.88	1.89	333.02	285.90	320.34	319.80	-0.54	-0.17	33.90	11.86
India	29.10	28.05	28.50	28.50	4.86	4.09	4.76	4.76	141.32	114.65	135.65	135.65	0.00	0.00	21.00	18.31
Brazil	32.16	31.61	31.45	31.45	1.07	0.97	0.98	0.98	34.35	30.74	30.90	30.90	0.00	0.00	0.16	0.53
Turkey	14.48	12.19	13.79	13.59	2.55	2.61	2.60	2.60	36.99	31.81	35.81	35.31	-0.50	-1.40	3.50	11.00
Indonesia	4.63	4.73	4.68	4.68	2.12	2.12	2.29	2.29	9.83	10.03	10.73	10.73	0.00	0.00	0.70	6.98
Philippines	3.20	2.90	3.30	3.20	1.86	1.97	1.82	1.97	5.95	5.70	6.00	6.30	0.30	5.00	0.60	10.53
Others	2.72	2.40	2.75	2.75	1.55	1.48	1.53	1.53	4.22	3.55	4.20	4.20	0.00	0.00	0.65	18.31
	87.80	83.49	86.21	85.23	1.14	1.07	1.13	1.13	100.37	89.43	97.06	96.71	-0.34	-0.36	7.29	8.15



**TABLE 5**  
**Corn Area, Yield, and Production**  
**World and Selected Countries and Regions**

Country/Region	Area				Yield				Production				Change in Production			
	Prel.		1998/99 Proj.		Prel.		1998/99 Proj.		Prel.		1998/99 Proj.		From last month		From last year	
	1996/97	1997/98	Oct.	Nov.	1996/97	1997/98	Oct.	Nov.	1996/97	1997/98	Oct.	Nov.	MMT	Percent	MMT	Percent
	Million hectares				Metric tons per hectare				Million metric tons							
World	141.03	136.26	139.42	139.40	4.19	4.23	4.26	4.29	591.35	576.65	593.82	597.35	3.53	0.59	20.70	3.59
United States	29.60	29.83	29.86	29.86	7.97	7.97	8.29	8.37	236.06	237.90	247.49	249.85	2.35	0.95	11.95	5.02
Total Foreign	111.43	106.43	109.56	109.54	3.19	3.18	3.16	3.17	355.28	338.76	346.33	347.50	1.17	0.34	8.75	2.58
Major Exporters	7.96	7.21	7.20	7.20	3.57	4.24	3.86	3.89	28.41	30.61	27.80	28.00	0.20	0.72	-2.61	-8.53
Argentina	3.40	3.18	3.00	3.00	4.56	6.10	5.00	5.00	15.50	19.36	15.00	15.00	0.00	0.00	-4.36	-22.52
South Africa	3.36	2.96	3.00	3.00	2.68	2.55	2.83	2.83	9.01	7.55	8.50	8.50	0.00	0.00	0.95	12.58
Thailand	1.20	1.08	1.20	1.20	3.25	3.43	3.58	3.75	3.90	3.70	4.30	4.50	0.20	4.65	0.80	21.62
Major Importers	21.56	21.91	20.99	21.06	3.92	4.49	3.85	3.86	84.51	98.46	80.70	81.30	0.60	0.74	-17.16	-17.43
Eastern Europe	7.15	6.87	6.72	6.79	3.58	4.64	3.50	3.57	25.55	31.89	23.53	24.23	0.70	2.97	-7.65	-24.01
Romania	3.29	3.03	3.00	3.00	2.92	4.18	2.50	2.50	9.61	12.68	7.50	7.50	0.00	0.00	-5.18	-40.85
Yugoslavia	2.10	2.08	2.00	2.08	3.62	4.67	3.75	3.86	7.60	9.70	7.50	8.00	0.50	6.67	-1.70	-17.53
European Union	4.10	4.28	4.06	4.06	8.50	9.03	8.31	8.16	34.79	38.65	33.76	33.16	-0.60	-1.78	-5.48	-14.19
France	1.72	1.84	1.80	1.80	8.41	9.13	8.06	7.94	14.43	16.80	14.50	14.30	-0.20	-1.38	-2.50	-14.88
Italy	1.02	1.04	0.94	0.94	9.33	9.79	9.57	9.15	9.55	10.14	9.00	8.60	-0.40	-4.44	-1.54	-15.16
Mexico	8.23	7.40	7.70	7.70	2.30	2.30	2.27	2.34	18.92	17.00	17.50	18.00	0.50	2.86	1.00	5.88
FSU-12	2.00	3.28	2.44	2.44	2.37	3.19	2.25	2.25	4.73	10.46	5.49	5.49	0.00	0.00	-4.97	-47.54
Russia	0.62	0.85	0.80	0.80	1.78	3.18	1.50	1.50	1.10	2.70	1.20	1.20	0.00	0.00	-1.50	-55.56
Ukraine	0.67	1.65	0.80	0.80	2.74	3.21	2.50	2.50	1.84	5.30	2.00	2.00	0.00	0.00	-3.30	-62.26
Other W. Europe	0.02	0.03	0.03	0.03	8.96	8.80	8.60	8.60	0.22	0.22	0.22	0.22	0.00	0.00	-0.00	-2.27
Others	0.07	0.06	0.05	0.05	4.49	4.48	4.41	4.41	0.29	0.25	0.20	0.20	0.00	0.00	-0.05	-19.12
Other Foreign	81.91	77.31	81.37	81.28	2.96	2.71	2.92	2.93	242.36	209.69	237.83	238.21	0.37	0.16	28.52	13.60
China	24.50	23.78	24.25	24.25	5.20	4.39	5.11	5.11	127.47	104.30	124.00	124.00	0.00	0.00	19.70	18.89
Brazil	13.88	11.60	13.20	13.00	2.61	2.67	2.65	2.65	36.16	31.00	35.00	34.50	-0.50	-1.43	3.50	11.29
India	6.25	6.15	6.10	6.10	1.70	1.59	1.56	1.56	10.61	9.80	9.50	9.50	0.00	0.00	-0.30	-3.06
Canada	1.06	1.01	1.08	1.08	6.98	6.93	7.04	7.04	7.38	7.01	7.59	7.59	0.00	0.00	0.58	8.29
Indonesia	3.20	2.90	3.30	3.20	1.86	1.97	1.82	1.97	5.95	5.70	6.00	6.30	0.30	5.00	0.60	10.53
Philippines	2.72	2.40	2.75	2.75	1.55	1.48	1.53	1.53	4.22	3.55	4.20	4.20	0.00	0.00	0.65	18.31
Egypt	0.88	0.84	0.94	0.94	6.65	7.18	6.74	6.74	5.83	6.01	6.30	6.30	0.00	0.00	0.29	4.83
Zimbabwe	1.64	1.23	1.45	1.45	1.10	1.22	1.31	1.31	1.80	1.50	1.90	1.90	0.00	0.00	0.40	26.67
Others	27.79	27.41	28.31	28.52	1.55	1.49	1.53	1.54	42.95	40.82	43.35	43.92	0.57	1.33	3.10	7.59

November 1998

Production Estimates and Crop Assessment Division, FAS, USDA



**TABLE 6**  
**Barley Area, Yield, and Production**  
**World and Selected Countries and Regions**

Country/Region	Area				Yield				Production				Change in Production			
	Prel.		1998/99 Proj.		Prel.		1998/99 Proj.		Prel.		1998/99 Proj.		From last month		From last year	
	1996/97	1997/98	Oct.	Nov.	1996/97	1997/98	Oct.	Nov.	1996/97	1997/98	Oct.	Nov.	MMT	Percent	MMT	Percent
	Million hectares				Metric tons per hectare				Million metric tons							
World	66.45	65.53	61.04	61.00	2.32	2.37	2.31	2.27	153.86	155.05	141.01	138.76	-2.25	-1.60	-16.29	-10.51
United States	2.74	2.60	2.42	2.42	3.15	3.14	3.22	3.22	8.62	8.15	7.80	7.80	0.00	0.00	-0.35	-4.34
Total Foreign	63.71	62.93	58.62	58.58	2.28	2.33	2.27	2.24	145.24	146.90	133.21	130.96	-2.25	-1.69	-15.94	-10.85
European Union	11.38	11.83	11.36	11.36	4.55	4.44	4.70	4.64	51.72	52.55	53.39	52.74	-0.65	-1.22	0.19	0.36
Denmark	0.74	0.72	0.67	0.67	5.36	5.40	5.70	5.70	3.95	3.89	3.80	3.80	0.00	0.00	-0.09	-2.24
France	1.53	1.68	1.60	1.60	6.25	6.06	6.56	6.56	9.54	10.19	10.50	10.50	0.00	0.00	0.31	3.06
Germany	2.21	2.27	2.18	2.18	5.47	5.89	5.75	5.75	12.07	13.40	12.50	12.50	0.00	0.00	-0.90	-6.71
Italy	0.36	0.34	0.34	0.34	3.76	3.25	3.68	3.68	1.35	1.09	1.25	1.25	0.00	0.00	0.16	14.68
Spain	3.53	3.71	3.59	3.59	2.72	2.32	3.06	3.06	9.60	8.60	11.00	11.00	0.00	0.00	2.40	27.91
United Kingdom	1.27	1.33	1.27	1.27	6.14	5.91	5.71	5.20	7.78	7.85	7.25	6.60	-0.65	-8.97	-1.25	-15.92
FSU-12	20.54	20.96	17.52	17.51	1.35	1.63	1.17	1.11	27.76	34.11	20.57	19.49	-1.08	-5.23	-14.62	-42.86
Russia	11.85	12.60	10.00	10.00	1.34	1.65	1.00	0.95	15.90	20.80	10.00	9.50	-0.50	-5.00	-11.30	-54.33
Ukraine	3.43	3.70	4.00	4.00	1.67	2.00	1.58	1.58	5.73	7.40	6.30	6.30	0.00	0.00	-1.10	-14.86
Kazakstan	3.60	3.20	2.10	2.10	0.75	0.81	0.52	0.48	2.70	2.60	1.10	1.00	-0.10	-9.09	-1.60	-61.54
Baltic States	0.81	0.83	0.83	0.83	2.30	2.33	2.33	2.33	1.87	1.94	1.93	1.93	0.00	0.00	-0.01	-0.52
Eastern Europe	3.32	3.65	3.38	3.39	2.88	3.30	3.16	3.10	9.56	12.04	10.68	10.51	-0.18	-1.64	-1.54	-12.75
Poland	1.13	1.24	1.20	1.20	3.04	3.11	3.17	3.00	3.44	3.87	3.80	3.60	-0.20	-5.26	-0.27	-6.88
Czech Rep.	0.60	0.65	0.58	0.58	3.77	3.84	3.66	3.66	2.26	2.49	2.13	2.13	0.00	0.00	-0.36	-14.49
Romania	0.50	0.62	0.50	0.50	2.22	3.06	2.60	2.60	1.11	1.89	1.30	1.30	0.00	0.00	-0.59	-31.18
Canada	4.89	4.70	4.26	4.26	3.18	2.88	2.98	2.98	15.56	13.53	12.66	12.66	0.00	0.00	-0.86	-6.39
Other W. Europe	0.23	0.23	0.22	0.21	4.49	4.33	4.18	4.72	1.03	0.97	0.93	0.97	0.04	4.31	-0.01	-0.72
Norway	0.18	0.18	0.18	0.16	3.83	3.77	3.43	4.05	0.67	0.66	0.60	0.64	0.04	6.67	-0.02	-3.03
Turkey	3.65	3.70	3.60	3.60	1.97	1.97	2.17	2.17	7.20	7.30	7.80	7.80	0.00	0.00	0.50	6.85
Australia	3.41	3.46	3.00	3.00	2.00	1.86	2.00	1.83	6.81	6.43	6.00	5.50	-0.50	-8.33	-0.93	-14.42
China	1.30	1.30	1.20	1.20	3.08	3.08	2.92	2.92	4.00	4.00	3.50	3.50	0.00	0.00	-0.50	-12.50
Morocco	2.43	2.00	2.30	2.30	1.58	0.66	0.87	0.87	3.83	1.32	2.00	2.00	0.00	0.00	0.68	51.06
India	0.82	0.76	0.85	0.85	1.83	1.89	2.00	2.00	1.51	1.44	1.70	1.70	0.00	0.00	0.26	18.38
Others	10.94	9.51	10.10	10.08	1.32	1.18	1.19	1.21	14.39	11.27	12.06	12.17	0.11	0.91	0.90	7.99

November 1998

Production Estimates and Crop Assessment Division, FAS, USDA



**TABLE 7**  
**Oats Area, Yield, and Production**  
**World and Selected Countries and Regions**

Country/Region	Area				Yield				Production				Change in Production			
	Prel.		1998/99 Proj.		Prel.		1998/99 Proj.		Prel.		1998/99 Proj.		From last month		From last year	
	1996/97	1997/98	Oct.	Nov.	1996/97	1997/98	Oct.	Nov.	1996/97	1997/98	Oct.	Nov.	MMT	Percent	MMT	Percent
	Million hectares				Metric tons per hectare				Million metric tons							
World	17.69	16.95	16.46	16.48	1.73	1.82	1.61	1.62	30.59	30.87	26.44	26.68	0.24	0.92	-4.19	-13.58
United States	1.09	1.18	1.14	1.14	2.07	2.17	2.17	2.17	2.25	2.56	2.47	2.47	0.00	0.00	-0.09	-3.52
Total Foreign	16.60	15.78	15.33	15.34	1.71	1.79	1.56	1.58	28.34	28.32	23.97	24.21	0.24	1.01	-4.10	-14.49
FSU-12	8.17	7.79	7.25	7.25	1.23	1.47	1.04	1.04	10.03	11.48	7.51	7.51	0.00	0.00	-3.97	-34.57
Russia	6.93	6.50	6.00	6.00	1.20	1.45	0.92	0.92	8.30	9.40	5.50	5.50	0.00	0.00	-3.90	-41.49
Ukraine	0.48	0.55	0.63	0.63	1.51	1.82	1.76	1.76	0.73	1.00	1.10	1.10	0.00	0.00	0.10	10.00
Belarus	0.30	0.34	0.30	0.30	2.33	2.06	2.33	2.33	0.70	0.70	0.70	0.70	0.00	0.00	0.00	0.00
Baltic States	0.16	0.16	0.16	0.16	2.04	2.13	2.13	2.13	0.32	0.34	0.34	0.34	0.00	0.00	0.00	1.19
Maj. Foreign Exporters	3.02	2.64	2.69	2.69	2.11	2.01	2.05	2.05	6.37	5.30	5.52	5.52	0.00	0.00	0.22	4.21
Canada	1.68	1.50	1.62	1.62	2.59	2.32	2.46	2.46	4.36	3.49	3.97	3.97	0.00	0.00	0.48	13.86
Australia	1.09	0.85	0.80	0.80	1.56	1.53	1.50	1.50	1.70	1.30	1.20	1.20	0.00	0.00	-0.10	-7.69
Argentina	0.25	0.29	0.28	0.28	1.24	1.76	1.27	1.27	0.31	0.51	0.35	0.35	0.00	0.00	-0.16	-31.37
Other Foreign	5.62	5.56	5.61	5.62	2.29	2.24	2.09	2.12	12.87	12.44	11.70	11.94	0.24	2.08	-0.50	-4.03
China	0.50	0.45	0.55	0.55	1.20	0.89	1.18	1.18	0.60	0.40	0.65	0.65	0.00	0.00	0.25	62.50
European Union	1.94	1.99	1.90	1.91	3.56	3.35	3.18	3.25	6.89	6.66	6.03	6.22	0.18	3.07	-0.44	-6.65
France	0.14	0.13	0.13	0.14	4.41	4.24	4.62	4.70	0.62	0.56	0.60	0.64	0.03	5.83	0.07	12.59
Germany	0.30	0.31	0.26	0.26	5.32	5.16	4.94	4.94	1.61	1.60	1.30	1.30	0.00	0.00	-0.30	-18.70
Italy	0.14	0.14	0.13	0.14	2.46	1.98	2.00	2.45	0.35	0.28	0.26	0.34	0.08	30.77	0.07	23.64
Finland	0.37	0.37	0.38	0.38	3.37	3.37	2.89	2.89	1.26	1.24	1.10	1.10	0.00	0.00	-0.14	-11.50
Sweden	0.28	0.32	0.31	0.31	4.32	4.05	3.23	3.23	1.20	1.28	1.00	1.00	0.00	0.00	-0.28	-21.57
Eastern Europe	1.16	1.15	1.11	1.11	2.19	2.33	2.21	2.21	2.54	2.68	2.45	2.45	0.00	0.00	-0.23	-8.67
Czech Rep.	0.07	0.08	0.06	0.06	3.24	3.17	3.17	3.17	0.21	0.25	0.19	0.19	0.00	0.00	-0.06	-23.08
Poland	0.63	0.63	0.60	0.60	2.53	2.60	2.50	2.50	1.58	1.63	1.50	1.50	0.00	0.00	-0.13	-7.98
Yugoslavia	0.13	0.13	0.13	0.13	1.85	1.85	1.84	1.84	0.24	0.24	0.23	0.23	0.00	0.00	-0.01	-4.17
Norway	0.10	0.09	0.10	0.10	4.18	3.90	3.37	3.94	0.40	0.36	0.32	0.38	0.06	18.13	0.02	4.13
Turkey	0.15	0.14	0.15	0.15	1.72	1.79	1.72	1.72	0.25	0.25	0.25	0.25	0.00	0.00	0.00	0.00
Others	1.41	1.37	1.43	1.43	0.66	0.62	0.63	0.63	0.93	0.85	0.90	0.90	0.00	0.00	0.05	6.01

November 1998

Production Estimates and Crop Assessment Division, FAS, USDA







**TABLE 9**  
**Sorghum Area, Yield, and Production**  
**World and Selected Countries and Regions**

Country/Region	Area				Yield				Production				Change in Production			
	1996/97		1997/98		1996/97		1997/98		1996/97		1997/98		1996/97		1997/98	
	Prel.	1998/99 Proj.	Prel.	1998/99 Proj.	Prel.	1998/99 Proj.	Prel.	1998/99 Proj.	Prel.	1998/99 Proj.	Prel.	1998/99 Proj.	From last month	From last year	From last year	From last year
	1996/97	1997/98	Oct.	Nov.	1996/97	1997/98	Oct.	Nov.	1996/97	1997/98	Oct.	Nov.	MMT	Percent	MMT	Percent
	Million hectares				Metric tons per hectare				Million metric tons							
World	45.21	41.64	41.32	40.83	1.53	1.43	1.45	1.46	69.31	59.59	59.71	59.73	0.02	0.03	0.14	0.23
United States	4.82	3.80	3.17	3.17	4.24	4.37	4.17	4.17	20.40	16.59	13.24	13.23	-0.01	-0.06	-3.36	-20.23
Total Foreign	40.40	37.84	38.15	37.66	1.21	1.14	1.22	1.23	48.92	43.00	46.47	46.49	0.03	0.05	3.50	8.13
India	11.57	11.20	11.50	11.50	0.96	0.80	0.87	0.87	11.09	9.00	10.00	10.00	0.00	0.00	1.00	11.11
China	1.29	1.08	1.10	1.10	4.39	3.36	4.09	4.09	5.68	3.64	4.50	4.50	0.00	0.00	0.86	23.63
Mexico	2.32	1.80	2.00	2.00	2.95	3.11	3.00	3.25	6.86	5.60	6.00	6.50	0.50	8.33	0.90	16.07
Nigeria	6.45	6.50	6.60	6.60	1.02	1.07	1.11	1.11	6.60	6.93	7.30	7.30	0.00	0.00	0.37	5.34
Sudan	6.60	5.70	5.00	5.00	0.64	0.60	0.74	0.74	4.20	3.40	3.70	3.70	0.00	0.00	0.30	8.82
Argentina	0.68	0.79	0.75	0.75	3.70	4.80	4.00	4.00	2.50	3.77	3.00	3.00	0.00	0.00	-0.77	-20.42
Australia	0.56	0.56	0.60	0.60	2.15	1.89	2.00	2.00	1.21	1.07	1.20	1.20	0.00	0.00	0.14	12.68
Ethiopia	1.85	1.45	1.80	1.60	1.08	0.90	1.11	1.06	2.00	1.30	2.00	1.70	-0.30	-15.00	0.40	30.77
Colombia	0.10	0.06	0.04	0.04	3.05	2.50	3.00	3.00	0.29	0.15	0.12	0.12	0.00	0.00	-0.03	-20.00
Venezuela	0.20	0.26	0.25	0.25	2.16	1.56	1.63	1.63	0.44	0.41	0.40	0.40	0.00	0.00	-0.01	-2.44
Egypt	0.14	0.16	0.16	0.16	4.35	4.91	4.97	4.97	0.60	0.77	0.77	0.77	0.00	0.00	0.00	0.52
Yemen	0.38	0.38	0.38	0.38	0.97	0.96	1.00	1.00	0.37	0.36	0.38	0.38	0.00	0.00	0.02	4.46
Tanzania	0.69	0.63	0.65	0.50	0.87	0.80	1.00	0.85	0.60	0.50	0.65	0.43	-0.23	-34.62	-0.08	-15.00
Niger	1.50	1.40	1.40	1.40	0.27	0.30	0.30	0.30	0.40	0.43	0.43	0.43	0.00	0.00	0.00	0.00
South Africa	0.16	0.13	0.14	0.14	2.20	2.14	2.14	2.14	0.36	0.28	0.30	0.30	0.00	0.00	0.02	7.14
Thailand	0.16	0.16	0.16	0.16	1.25	1.25	1.25	1.25	0.20	0.20	0.20	0.20	0.00	0.00	0.00	0.00
Others	5.75	5.59	5.63	5.49	0.96	0.93	0.98	1.02	5.53	5.20	5.53	5.58	0.05	0.90	0.38	7.21

November 1998

Production Estimates and Crop Assessment Division, FAS, USDA



**TABLE 10**  
**Rice Area, Yield, and Production**  
**World and Selected Countries and Regions**

Country/Region	Area				Yield (Rough)				Production (Milled)				Change in Production			
	Prel.		1998/99 Proj.		Prel.		1998/99 Proj.		Prel.		1998/99 Proj.		From last month		From last year	
	1996/97	1997/98	Oct.	Nov.	1996/97	1997/98	Oct.	Nov.	1996/97	1997/98	Oct.	Nov.				
	Million hectares				Metric tons per hectare				Million metric tons				MMT		Percent	
World	149.75	148.10	149.00	149.14	3.76	3.85	3.74	3.74	380.17	384.97	376.29	376.63	0.35	0.09	-8.34	-2.17
United States	1.13	1.23	1.29	1.29	6.86	6.61	6.38	6.34	5.45	5.84	5.93	5.89	-0.04	-0.64	0.05	0.82
Total Foreign	148.62	146.87	147.71	147.85	3.74	3.82	3.72	3.72	374.72	379.13	370.36	370.74	0.38	0.10	-8.38	-2.21
Major Exporters	24.08	24.24	24.43	24.43	2.91	2.98	2.97	2.98	44.97	46.49	46.70	46.85	0.15	0.32	0.36	0.78
Vietnam	7.05	7.16	7.15	7.15	3.87	3.85	3.81	3.81	18.00	18.17	18.00	18.00	0.00	0.00	-0.17	-0.95
Thailand	9.18	9.27	9.25	9.25	2.26	2.46	2.42	2.45	13.66	15.05	14.80	14.95	0.15	1.01	-0.10	-0.66
Burma	5.60	5.49	5.60	5.60	2.77	2.80	2.86	2.86	9.00	8.90	9.30	9.30	0.00	0.00	0.40	4.49
Pakistan	2.25	2.32	2.43	2.43	2.87	2.83	2.84	2.84	4.31	4.36	4.60	4.60	0.00	0.00	0.24	5.41
Major Importers	15.67	15.13	15.92	15.89	4.12	4.09	4.10	4.11	43.18	41.35	43.47	43.51	0.05	0.11	2.16	5.23
Indonesia	11.14	10.68	11.40	11.40	4.43	4.35	4.45	4.45	32.08	30.23	33.00	33.00	0.00	0.00	2.78	9.18
South Korea	1.05	1.05	1.06	1.06	6.85	7.01	6.02	6.02	5.32	5.45	4.70	4.70	0.00	0.00	-0.75	-13.76
European Union	0.41	0.41	0.42	0.40	5.94	6.21	6.34	6.34	1.58	1.66	1.73	1.62	-0.10	-5.91	-0.04	-2.46
Iran	0.60	0.60	0.60	0.60	4.00	4.00	4.00	4.38	1.60	1.60	1.60	1.75	0.15	9.37	0.15	9.37
Nigeria	1.66	1.65	1.65	1.65	1.96	1.87	1.87	1.87	1.95	1.85	1.85	1.85	0.00	0.00	0.00	0.00
Other Foreign	108.87	107.51	107.36	107.53	4.12	4.23	4.09	4.08	286.57	291.29	280.19	280.38	0.19	0.07	-10.91	-3.75
China	31.41	31.77	31.10	31.10	6.21	6.32	6.06	6.06	136.57	140.49	132.00	132.00	0.00	0.00	-8.49	-6.04
India	43.28	42.20	42.30	42.30	2.82	2.97	2.89	2.89	81.31	83.50	81.50	81.50	0.00	0.00	-2.00	-2.40
Bangladesh	10.41	10.62	10.40	10.40	2.72	2.63	2.60	2.60	18.88	18.63	18.00	18.00	0.00	0.00	-0.63	-3.38
Japan	1.98	1.95	1.78	1.78	6.54	6.42	6.11	6.11	9.41	9.12	7.90	7.90	0.00	0.00	-1.22	-13.41
Brazil	3.57	3.20	3.70	3.80	2.66	2.67	2.65	2.63	6.46	5.80	6.66	6.80	0.14	2.04	1.00	17.24
Philippines	3.91	3.55	3.85	3.80	2.86	2.80	2.86	2.79	7.27	6.45	7.15	6.90	-0.25	-3.50	0.45	6.98
Egypt	0.59	0.67	0.63	0.63	8.29	8.22	8.05	8.05	2.99	3.75	3.45	3.45	0.00	0.00	-0.30	-8.00
Taiwan	0.35	0.36	0.36	0.36	5.55	5.62	5.56	5.56	1.42	1.47	1.41	1.41	0.00	0.00	-0.06	-4.09
FSU-12	0.48	0.45	0.45	0.45	2.24	2.64	2.67	2.67	0.70	0.76	0.77	0.77	0.00	0.00	0.01	1.05
Russia	0.17	0.16	0.16	0.16	2.36	2.07	2.07	2.07	0.25	0.22	0.22	0.22	0.00	0.00	0.00	0.00
Australia	0.17	0.14	0.13	0.15	8.36	9.41	8.39	8.44	0.99	0.96	0.78	0.88	0.10	12.18	-0.08	-8.38
Others	12.72	12.60	12.68	12.78	3.01	3.05	3.02	3.02	20.56	20.36	20.57	20.78	0.20	1.00	0.41	2.03

November 1998

Production Estimates and Crop Assessment Division, FAS, USDA



TABLE 11

# Total Oilseed Area, Yield, and Production

## World and Selected Countries and Regions

Country/Region	Area				Yield				Production				Change in Production			
	Prel.		1998/99 Proj.		Prel.		1998/99 Proj.		Prel.		1998/99 Proj.		From last month		From last year	
	1996/97	1997/98	Oct.	Nov.	1996/97	1997/98	Oct.	Nov.	1996/97	1997/98	Oct.	Nov.	MMT	Percent	MMT	Percent
World Total 1/ Total Foreign 1/ Copra Palm Kernel	-- -- -- --	-- -- -- --	-- -- -- --	-- -- -- --	-- -- -- --	-- -- -- --	-- -- -- --	-- -- -- --	261.21 186.39 5.82 5.32	286.97 203.40 5.61 5.16	288.34 204.07 5.38 5.40	288.00 203.88 5.38 5.40	-0.33 -0.18 0.00 0.00	-0.12 -0.09 0.00 0.00	1.03 0.48 -0.23 0.24	0.36 0.24 -4.05 4.61
Major Oilseeds 2/ United States 2/	159.48 32.58	167.15 35.54	171.12 35.53	170.84 35.53	1.57 2.30	1.65 2.35	1.62 2.37	1.62 2.37	250.08 74.83	276.21 83.57	277.56 84.27	277.23 84.12	-0.33 -0.15	-0.12 -0.18	1.02 0.55	0.37 0.66
Foreign Oilseeds 2/ South America Brazil Argentina Paraguay China India European Union France Italy Germany Spain United Kingdom FSU-12 Russia Ukraine Uzbekistan Turkmenistan Canada Indonesia Pakistan Eastern Europe Poland Romania Hungary Turkey Philippines Mexico Others	126.90 25.27 12.61 10.26 1.38 23.23 30.83 5.84 1.87 0.58 0.90 1.17 0.41 9.83 4.55 2.15 1.49 0.45 4.35 1.83 3.66 3.05 0.28 0.99 0.57 1.37 0.05 0.38 17.20	131.61 27.90 13.97 11.29 1.57 23.76 31.05 6.10 1.96 0.75 0.95 1.14 0.47 9.25 4.10 2.04 1.48 0.45 5.97 1.83 3.50 2.86 0.32 0.84 0.54 1.29 0.06 0.41 17.65	135.59 28.43 13.77 12.00 1.60 23.70 31.85 6.37 1.99 0.81 1.03 1.16 0.51 10.01 4.69 2.14 1.50 0.48 6.39 1.93 3.39 3.23 0.45 0.94 0.58 1.30 0.06 0.43 18.51	135.31 28.26 13.77 11.95 1.47 23.70 31.85 6.37 1.99 0.81 1.03 1.16 0.51 10.01 4.69 2.14 1.50 0.48 6.39 1.93 3.39 3.23 0.45 0.94 0.58 1.30 0.06 0.43 18.41	1.38 1.96 2.18 1.70 2.13 1.78 0.88 2.22 2.73 2.56 2.51 1.17 3.41 0.86 0.69 1.00 1.35 0.58 1.68 1.34 1.00 1.53 1.59 1.31 1.67 1.41 0.87 1.42 0.88	1.46 2.22 2.28 2.24 1.92 1.83 0.83 2.47 2.88 2.47 3.11 1.42 3.23 0.98 0.78 1.15 1.55 0.82 1.53 1.31 1.01 1.49 1.88 1.17 1.29 1.52 0.93 1.55 0.88	1.43 2.08 2.17 2.04 1.96 1.72 0.85 2.48 2.88 2.66 3.18 1.33 3.24 0.98 0.79 1.14 1.47 0.92 1.56 1.30 1.11 1.64 2.22 1.29 1.66 1.52 0.95 1.50 0.90	1.43 2.10 2.17 2.04 2.25 1.72 0.85 2.48 2.88 2.66 3.18 1.33 3.24 0.95 0.79 1.14 1.33 0.92 1.56 1.30 1.11 1.66 2.33 1.29 1.66 1.52 0.95 1.50 0.89	175.25 49.43 27.45 17.46 2.93 41.45 27.28 12.95 5.10 1.49 2.26 1.38 1.41 8.46 3.15 2.16 2.01 0.26 7.28 2.45 3.67 4.66 0.45 1.30 0.95 1.93 0.05 0.55 15.10	192.64 61.85 31.83 25.25 3.01 43.41 25.75 15.04 5.66 1.84 2.96 1.62 1.53 9.09 3.18 2.35 2.30 0.37 9.16 2.41 3.53 4.26 0.60 0.98 0.70 1.95 0.05 0.63 15.51	193.29 59.18 29.85 24.42 3.13 40.65 27.10 15.78 5.73 2.16 3.28 1.54 1.65 9.81 3.70 2.45 2.20 0.44 9.94 2.51 3.77 5.30 1.00 1.21 0.96 1.97 0.06 0.65 16.58	193.11 59.33 29.85 24.39 3.31 40.65 27.10 15.78 5.73 2.16 3.28 1.54 1.65 9.55 3.70 2.45 2.00 0.44 9.94 2.51 3.77 5.35 1.05 1.21 0.96 1.97 0.06 0.65 16.46	-0.18 0.15 0.00 -0.03 0.18 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 -0.26 0.00 0.00 -0.20 0.00 0.00 0.00 0.05 0.05 0.00 0.00 0.00 0.00 -0.12 -0.12	-0.10 0.25 0.00 -0.14 5.75 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 -2.65 0.00 0.00 -9.09 0.00 0.00 0.00 0.94 5.00 0.00 0.00 0.00 0.00 -0.72	0.47 -2.52 -1.98 -0.86 0.30 -2.76 1.35 0.74 0.07 0.32 0.32 -0.08 0.13 0.46 0.52 0.10 -0.30 0.07 0.78 0.10 0.24 1.09 0.46 0.23 0.27 0.02 0.00 0.02 0.95	0.25 -4.07 -6.22 -3.43 9.96 -6.36 5.26 4.95 1.24 17.32 10.92 -4.64 8.20 5.00 16.28 4.39 -13.04 17.57 8.54 4.20 6.71 25.53 76.47 23.57 38.13 1.03 5.66 2.54 6.12

1/ Major oilseeds plus copra and palm kernel. 2/ Individual countries and regions include soybean, cottonseed, peanut (inshell), sunflowerseed, and rapeseed.

November 1998

Production Estimates and Crop Assessment Division, FAS, USDA



**TABLE 12**  
**Soybean Area, Yield, and Production**  
**World and Selected Countries and Regions**

Country/Region	Area				Yield				Production				Change in Production			
	Prel.		1998/99 Proj.		Prel.		1998/99 Proj.		Prel.		1998/99 Proj.		From last month		From last year	
	1996/97	1997/98	Oct.	Nov.	1996/97	1997/98	Oct.	Nov.	1996/97	1997/98	Oct.	Nov.	MMT	Percent	MMT	Percent
	Million hectares				Metric tons per hectare				Million metric tons							
World	63.17	69.59	70.73	70.63	2.09	2.24	2.17	2.18	131.73	156.19	153.63	153.66	0.03	0.02	-2.53	-1.62
United States	25.66	28.16	28.96	28.96	2.53	2.61	2.60	2.60	64.84	73.55	75.36	75.19	-0.17	-0.23	1.63	2.22
Total Foreign	37.51	41.43	41.77	41.67	1.78	1.99	1.87	1.88	66.89	82.64	78.27	78.47	0.20	0.26	-4.17	-5.04
Major Exporters																
Brazil	19.20	21.30	21.20	21.10	2.12	2.46	2.28	2.30	40.77	52.50	48.40	48.60	0.20	0.41	-3.90	-7.43
Argentina	11.80	13.00	12.80	12.80	2.27	2.38	2.27	2.27	26.80	31.00	29.00	29.00	0.00	0.00	-2.00	-6.45
Paraguay	6.20	7.00	7.10	7.10	1.81	2.67	2.32	2.32	11.20	18.70	16.50	16.50	0.00	0.00	-2.20	-11.76
	1.20	1.30	1.30	1.20	2.31	2.15	2.23	2.58	2.77	2.80	2.90	3.10	0.20	6.90	0.30	10.71
Other Foreign																
China	18.31	20.13	20.57	20.57	1.43	1.50	1.45	1.45	26.12	30.14	29.87	29.87	0.00	0.00	-0.27	-0.89
India	7.47	8.35	8.00	8.00	1.77	1.76	1.69	1.69	13.22	14.73	13.50	13.50	0.00	0.00	-1.23	-8.34
Canada	5.00	5.60	6.10	6.10	0.82	0.96	0.95	0.95	4.10	5.35	5.80	5.80	0.00	0.00	0.45	8.41
Indonesia	0.86	1.05	0.98	0.98	2.52	2.57	2.62	2.62	2.17	2.70	2.55	2.55	0.00	0.00	-0.15	-5.56
Eastern Europe	1.18	1.15	1.25	1.25	1.24	1.22	1.20	1.20	1.46	1.40	1.50	1.50	0.00	0.00	0.10	7.14
European Union	0.20	0.17	0.25	0.25	1.69	2.17	2.01	2.01	0.34	0.36	0.50	0.50	0.00	0.00	0.14	39.39
FSU-12	0.34	0.46	0.53	0.53	3.39	3.44	3.45	3.45	1.14	1.57	1.84	1.84	0.00	0.00	0.27	17.26
Russia	0.55	0.46	0.50	0.50	0.62	0.74	0.72	0.72	0.34	0.34	0.36	0.36	0.00	0.00	0.02	6.53
Ukraine	0.49	0.40	0.44	0.44	0.58	0.69	0.68	0.68	0.28	0.28	0.30	0.30	0.00	0.00	0.02	7.14
Mexico	0.03	0.01	0.02	0.02	0.80	1.29	1.00	1.00	0.02	0.02	0.02	0.02	0.00	0.00	0.00	11.11
Thailand	0.05	0.12	0.12	0.12	1.17	1.47	1.46	1.46	0.06	0.18	0.18	0.18	0.00	0.00	0.00	0.00
North Korea	0.26	0.26	0.27	0.27	1.41	1.25	1.30	1.30	0.36	0.33	0.35	0.35	0.00	0.00	0.03	7.69
Japan	0.33	0.33	0.33	0.33	1.23	1.08	1.23	1.23	0.40	0.35	0.40	0.40	0.00	0.00	0.05	14.29
Bolivia	0.08	0.08	0.10	0.10	1.80	1.75	1.75	1.75	0.15	0.15	0.18	0.18	0.00	0.00	0.03	20.69
South Korea	0.55	0.63	0.63	0.63	1.83	2.00	1.98	1.98	1.00	1.26	1.25	1.25	0.00	0.00	-0.01	-0.79
Colombia	0.10	0.10	0.10	0.10	1.63	1.56	1.60	1.60	0.16	0.16	0.16	0.16	0.00	0.00	0.00	2.56
Others	0.04	0.03	0.03	0.03	2.00	1.67	2.00	2.00	0.07	0.05	0.06	0.06	0.00	0.00	0.01	20.00
	1.32	1.36	1.39	1.39	0.88	0.91	0.90	0.90	1.15	1.23	1.25	1.25	0.00	0.00	0.02	1.46



**TABLE 13**  
**Cottonseed Area, Yield, and Production**  
**World and Selected Countries and Regions**

Country/Region	Area				Yield				Production				Change in Production			
	Prel.		1998/99 Proj.		Prel.		1998/99 Proj.		Prel.		1998/99 Proj.		From last month		From last year	
	1996/97	1997/98	Oct.	Nov.	1996/97	1997/98	Oct.	Nov.	1996/97	1997/98	Oct.	Nov.				
	Million hectares				Metric tons per hectare				Million metric tons				MMT	Percent	MMT	Percent
World	33.77	33.40	32.70	32.50	1.02	1.04	1.00	1.00	34.36	34.69	32.84	32.36	-0.49	-1.49	-2.33	-6.71
United States	5.21	5.37	4.19	4.19	1.24	1.17	1.08	1.07	6.48	6.29	4.52	4.50	-0.02	-0.42	-1.79	-28.44
Total Foreign	28.56	28.03	28.51	28.31	0.98	1.01	0.99	0.98	27.88	28.39	28.32	27.85	-0.47	-1.66	-0.54	-1.90
China	4.72	4.50	4.50	4.50	1.60	1.84	1.64	1.64	7.56	8.28	7.40	7.40	0.00	0.00	-0.88	-10.63
FSU-12	2.50	2.46	2.53	2.53	1.08	1.25	1.26	1.16	2.71	3.09	3.18	2.92	-0.26	-8.18	-0.17	-5.38
Uzbekistan	1.49	1.48	1.50	1.50	1.35	1.55	1.47	1.33	2.01	2.30	2.20	2.00	-0.20	-9.09	-0.30	-13.04
Turkmenistan	0.45	0.45	0.48	0.48	0.58	0.82	0.92	0.92	0.26	0.37	0.44	0.44	0.00	0.00	0.07	17.57
India	9.17	8.85	9.05	9.05	0.64	0.58	0.59	0.59	5.90	5.10	5.30	5.30	0.00	0.00	0.21	4.02
Pakistan	3.15	2.96	2.90	2.90	1.01	1.02	1.14	1.14	3.19	3.00	3.30	3.30	0.00	0.00	0.30	9.85
Brazil	0.70	0.85	0.85	0.85	0.71	0.76	0.79	0.79	0.49	0.65	0.67	0.67	0.00	0.00	0.02	3.08
Turkey	0.74	0.71	0.70	0.70	1.58	1.53	1.60	1.60	1.18	1.09	1.12	1.12	0.00	0.00	0.03	3.23
African Franc Zone	1.91	2.24	2.27	2.27	0.72	0.72	0.71	0.71	1.38	1.61	1.61	1.61	0.00	0.00	-0.01	-0.37
Australia	0.40	0.44	0.47	0.47	2.13	2.16	2.11	2.11	0.84	0.94	0.99	0.99	0.00	0.00	0.05	4.87
Egypt	0.39	0.37	0.30	0.30	1.52	1.28	1.53	1.53	0.59	0.48	0.46	0.46	0.00	0.00	-0.02	-4.17
Argentina	0.88	0.80	0.75	0.70	0.64	0.63	0.83	0.84	0.56	0.50	0.62	0.59	-0.04	-5.65	0.09	17.00
Paraguay	0.11	0.20	0.23	0.20	0.64	0.60	0.62	0.60	0.07	0.12	0.14	0.12	-0.02	-14.29	0.00	0.00
Greece	0.42	0.39	0.40	0.40	1.13	1.53	1.28	1.28	0.48	0.59	0.51	0.51	0.00	0.00	-0.08	-14.14
Syria	0.22	0.25	0.27	0.27	2.39	2.90	2.44	2.44	0.53	0.73	0.66	0.66	0.00	0.00	-0.07	-9.22
Mexico	0.25	0.20	0.22	0.22	1.50	1.65	1.52	1.52	0.37	0.33	0.34	0.34	0.00	0.00	0.01	1.82
Colombia	0.09	0.05	0.06	0.06	1.21	1.30	1.42	1.42	0.10	0.07	0.08	0.08	0.00	0.00	0.01	11.43
Sudan	0.28	0.27	0.30	0.20	0.82	0.79	0.87	0.78	0.23	0.21	0.26	0.16	-0.11	-40.38	-0.06	-26.19
Others	2.65	2.49	2.73	2.70	0.65	0.65	0.62	0.61	1.72	1.61	1.69	1.64	-0.05	-2.95	0.04	2.30

November 1998

Production Estimates and Crop Assessment Division, FAS, USDA

**TABLE 14**  
**Peanut Area, Yield, and Production**  
**World and Selected Countries and Regions**

Country/Region	Area				Yield				Production				Change in Production			
	Prel.		1998/99 Proj.		Prel.		1998/99 Proj.		Prel.		1998/99 Proj.		From last month	From last year		
	1996/97	1997/98	Oct.	Nov.	1996/97	1997/98	Oct.	Nov.	1996/97	1997/98	Oct.	Nov.				
	Million hectares				Metric tons per hectare				Million metric tons				MMT	Percent	MMT	Percent
World	20.60	21.07	21.23	21.23	1.38	1.29	1.32	1.32	28.44	27.14	28.04	28.09	0.04	0.15	0.94	3.47
United States	0.56	0.57	0.60	0.60	2.98	2.81	2.74	2.82	1.66	1.60	1.64	1.68	0.04	2.63	0.08	4.80
Total Foreign	20.04	20.50	20.63	20.63	1.34	1.25	1.28	1.28	26.78	25.54	26.40	26.40	0.00	0.00	0.87	3.39
China	3.62	3.72	3.80	3.80	2.80	2.59	2.68	2.68	10.14	9.65	10.20	10.20	0.00	0.00	0.55	5.72
India	7.81	8.10	8.10	8.10	1.15	0.99	1.02	1.02	9.02	8.00	8.30	8.30	0.00	0.00	0.30	3.75
Indonesia	0.63	0.66	0.66	0.66	1.56	1.52	1.52	1.52	0.99	1.00	1.00	1.00	0.00	0.00	0.00	0.00
Senegal	0.92	0.79	0.78	0.78	0.70	0.70	0.71	0.71	0.65	0.55	0.55	0.55	0.00	0.00	0.00	0.00
Burma	0.52	0.53	0.53	0.53	1.10	1.11	1.09	1.09	0.57	0.59	0.58	0.58	0.00	0.00	-0.01	-1.69
Sudan	0.55	0.55	0.55	0.55	0.67	0.67	0.67	0.67	0.37	0.37	0.37	0.37	0.00	0.00	0.00	0.00
Zaire	0.73	0.73	0.73	0.73	0.77	0.77	0.79	0.79	0.56	0.56	0.58	0.58	0.00	0.00	0.02	3.57
Argentina	0.28	0.39	0.40	0.40	1.09	1.67	1.50	1.50	0.30	0.65	0.60	0.60	0.00	0.00	-0.05	-7.69
Nigeria	0.65	0.70	0.75	0.75	0.50	0.50	0.50	0.50	0.33	0.35	0.38	0.38	0.00	0.00	0.03	7.14
Vietnam	0.26	0.26	0.26	0.26	1.31	1.31	1.31	1.31	0.34	0.34	0.34	0.34	0.00	0.00	0.00	0.00
South Africa	0.10	0.06	0.07	0.07	1.47	1.64	1.43	1.43	0.14	0.10	0.10	0.10	0.00	0.00	0.00	3.09
Thailand	0.10	0.10	0.10	0.10	1.49	1.50	1.50	1.50	0.15	0.15	0.15	0.15	0.00	0.00	0.00	0.00
Burkina Faso	0.25	0.24	0.25	0.25	0.80	0.83	0.84	0.84	0.20	0.20	0.21	0.21	0.00	0.00	0.01	5.00
Brazil	0.09	0.09	0.09	0.09	1.55	1.67	1.67	1.67	0.14	0.15	0.15	0.15	0.00	0.00	0.00	0.00
Central African Rep.	0.10	0.10	0.10	0.10	0.94	1.00	1.00	1.00	0.09	0.10	0.10	0.10	0.00	0.00	0.00	0.00
Cameroon	0.42	0.42	0.42	0.42	0.41	0.41	0.41	0.41	0.17	0.17	0.17	0.17	0.00	0.00	0.00	0.00
Cote d'Ivoire	0.14	0.14	0.14	0.14	1.07	1.04	1.04	1.04	0.15	0.15	0.15	0.15	0.00	0.00	0.00	0.00
Mexico	0.08	0.08	0.09	0.09	1.40	1.50	1.53	1.53	0.11	0.12	0.13	0.13	0.00	0.00	0.01	8.33
Gambia	0.06	0.08	0.08	0.08	0.72	0.85	0.80	0.80	0.05	0.06	0.06	0.06	0.00	0.00	-0.00	-6.25
Others	2.74	2.76	2.74	2.74	0.85	0.83	0.84	0.84	2.32	2.28	2.29	2.29	0.00	0.00	0.01	0.44



**TABLE 15**  
**Sunflowerseed Area, Yield, and Production**  
**World and Selected Countries and Regions**

Country/Region	Area				Yield				Production				Change in Production			
	Prel.				Prel.				Prel.				From last month			
	1996/97	1997/98	Oct.	Nov.	1996/97	1997/98	Oct.	Nov.	1996/97	1997/98	Oct.	Nov.	MMT	Percent	MMT	Percent
World	19.80	19.64	21.24	21.27	1.21	1.22	1.25	1.25	23.93	23.91	26.45	26.49	0.03	0.13	2.58	10.77
United States	1.01	1.15	1.34	1.34	1.61	1.48	1.57	1.57	1.63	1.71	2.10	2.10	0.00	0.00	0.39	23.02
Total Foreign	18.79	18.49	19.90	19.93	1.19	1.20	1.22	1.22	22.31	22.20	24.35	24.39	0.03	0.14	2.18	9.83
FSU-12	6.47	6.06	6.67	6.67	0.80	0.90	0.90	0.90	5.20	5.46	6.03	6.03	0.00	0.00	0.57	10.42
Russia	3.89	3.58	4.10	4.10	0.71	0.79	0.80	0.80	2.77	2.83	3.30	3.30	0.00	0.00	0.47	16.57
Ukraine	2.11	2.00	2.10	2.10	1.01	1.15	1.14	1.14	2.12	2.30	2.40	2.40	0.00	0.00	0.10	4.35
Argentina	2.90	3.10	3.75	3.75	1.86	1.74	1.79	1.79	5.40	5.40	6.70	6.70	0.00	0.00	1.30	24.07
European Union	2.35	2.33	2.24	2.24	1.65	1.74	1.70	1.70	3.89	4.06	3.81	3.81	0.00	0.00	-0.25	-6.11
France	0.92	0.90	0.79	0.79	2.19	2.21	2.22	2.22	2.00	1.98	1.75	1.75	0.00	0.00	-0.23	-11.62
Spain	0.99	0.97	1.00	1.00	1.15	1.41	1.30	1.30	1.14	1.37	1.30	1.30	0.00	0.00	-0.07	-4.90
Italy	0.26	0.30	0.28	0.28	1.99	1.67	1.96	1.96	0.52	0.51	0.55	0.55	0.00	0.00	0.04	8.06
Eastern Europe	2.14	1.94	2.09	2.09	1.42	1.22	1.35	1.35	3.04	2.38	2.82	2.82	0.00	0.00	0.44	18.42
Hungary	0.48	0.45	0.48	0.48	1.68	1.22	1.67	1.67	0.80	0.55	0.80	0.80	0.00	0.00	0.26	46.79
Romania	0.91	0.78	0.82	0.82	1.30	1.10	1.18	1.18	1.18	0.86	0.97	0.97	0.00	0.00	0.11	13.05
Yugoslavia	0.23	0.20	0.22	0.22	1.87	1.65	1.82	1.82	0.43	0.33	0.40	0.40	0.00	0.00	0.07	21.21
Bulgaria	0.45	0.45	0.49	0.49	1.09	1.11	0.98	0.98	0.49	0.50	0.48	0.48	0.00	0.00	-0.02	-4.00
Czech Rep.	0.02	0.02	0.02	0.02	1.95	2.24	2.00	2.00	0.04	0.05	0.05	0.05	0.00	0.00	-0.00	-2.13
China	0.69	0.72	0.70	0.70	1.92	1.64	1.79	1.79	1.33	1.18	1.25	1.25	0.00	0.00	0.07	6.29
India	2.00	2.10	2.20	2.20	0.66	0.67	0.68	0.68	1.32	1.40	1.50	1.50	0.00	0.00	0.10	7.14
Turkey	0.55	0.50	0.52	0.52	1.09	1.44	1.35	1.35	0.60	0.72	0.70	0.70	0.00	0.00	-0.02	-2.78
South Africa	0.46	0.51	0.50	0.50	0.97	1.09	1.00	1.00	0.45	0.56	0.50	0.50	0.00	0.00	-0.06	-10.23
Australia	0.14	0.09	0.12	0.15	1.21	1.07	1.04	1.10	0.17	0.10	0.13	0.16	0.04	28.00	0.06	63.27
Burma	0.22	0.24	0.24	0.24	0.73	0.75	0.75	0.75	0.16	0.18	0.18	0.18	0.00	0.00	0.00	0.00
Others	0.87	0.90	0.87	0.87	0.88	0.86	0.85	0.85	0.76	0.77	0.73	0.73	0.00	0.00	-0.03	-4.55

November 1998

Production Estimates and Crop Assessment Division, FAS, USDA

**TABLE 16**  
**Rapeseed Area, Yield, and Production**  
**World and Selected Countries and Regions**

Country/Region	Area				Yield				Production				Change in Production			
	Prel.		1998/99 Proj.		Prel.		1998/99 Proj.		Prel.		1998/99 Proj.		From last month		From last year	
	1996/97	1997/98	Oct.	Nov.	1996/97	1997/98	Oct.	Nov.	1996/97	1997/98	Oct.	Nov.	MMT	Percent	MMT	Percent
	Million hectares				Metric tons per hectare				Million metric tons							
World	22.14	23.45	25.22	25.22	1.43	1.46	1.45	1.45	31.61	34.28	36.60	36.65	0.05	0.14	2.36	6.90
United States	0.14	0.28	0.44	0.44	1.55	1.47	1.48	1.48	0.22	0.42	0.65	0.65	0.00	0.00	0.24	56.49
Total Foreign	22.00	23.16	24.78	24.78	1.43	1.46	1.45	1.45	31.39	33.87	35.95	36.00	0.05	0.14	2.13	6.29
India	6.86	6.40	6.40	6.40	1.01	0.92	0.97	0.97	6.94	5.90	6.20	6.20	0.00	0.00	0.30	5.08
China	6.73	6.48	6.70	6.70	1.37	1.48	1.24	1.24	9.20	9.58	8.30	8.30	0.00	0.00	-1.28	-13.34
Canada	3.45	4.87	5.35	5.35	1.47	1.31	1.36	1.36	5.06	6.39	7.30	7.30	0.00	0.00	0.91	14.19
European Union	2.65	2.81	3.09	3.09	2.76	3.08	3.06	3.06	7.33	8.65	9.47	9.47	0.00	0.00	0.82	9.53
France	0.87	0.97	1.10	1.10	3.32	3.51	3.36	3.36	2.87	3.40	3.70	3.70	0.00	0.00	0.30	8.82
Germany	0.85	0.91	1.00	1.00	2.52	3.14	3.20	3.20	2.15	2.87	3.20	3.20	0.00	0.00	0.33	11.61
United Kingdom	0.41	0.47	0.51	0.51	3.41	3.23	3.24	3.24	1.41	1.53	1.65	1.65	0.00	0.00	0.13	8.20
Denmark	0.11	0.10	0.12	0.12	2.37	2.82	2.75	2.75	0.25	0.29	0.33	0.33	0.00	0.00	0.04	12.63
Sweden	0.07	0.06	0.06	0.06	2.11	1.95	1.98	1.98	0.14	0.12	0.13	0.13	0.00	0.00	0.00	1.63
Eastern Europe	0.69	0.74	0.87	0.87	1.83	2.05	2.27	2.32	1.27	1.52	1.98	2.03	0.05	2.53	0.51	33.49
Poland	0.28	0.32	0.45	0.45	1.59	1.88	2.22	2.33	0.45	0.60	1.00	1.05	0.05	5.00	0.46	76.47
Czech Rep.	0.23	0.23	0.27	0.27	2.30	2.46	2.64	2.64	0.52	0.56	0.70	0.70	0.00	0.00	0.14	24.78
Australia	0.42	0.69	1.15	1.15	1.52	1.26	1.48	1.48	0.64	0.86	1.70	1.70	0.00	0.00	0.84	97.67
FSU-12	0.31	0.27	0.31	0.31	0.70	0.75	0.77	0.77	0.21	0.21	0.24	0.24	0.00	0.00	0.03	14.63
Russia	0.17	0.12	0.15	0.15	0.66	0.62	0.67	0.67	0.11	0.07	0.10	0.10	0.00	0.00	0.03	40.85
Pakistan	0.32	0.34	0.33	0.33	0.80	0.84	0.85	0.85	0.26	0.29	0.28	0.28	0.00	0.00	-0.01	-2.10
Bangladesh	0.34	0.34	0.34	0.34	0.73	0.73	0.74	0.74	0.25	0.25	0.25	0.25	0.00	0.00	0.00	1.63
Others	0.24	0.24	0.24	0.24	0.97	0.96	0.96	0.96	0.23	0.23	0.23	0.23	-0.00	-0.00	0.00	0.00

November 1998

Production Estimates and Crop Assessment Division, FAS, USDA



**TABLE 17**  
**Copra, Palm Kernel, and Palm Oil Production**  
**World and Selected Countries and Regions**

Country/Region	Production				Change in Production			
	1996/97	Prel. 1997/98	1998/99 Proj.		From last month		From last year	
	Million metric tons				MMT	Percent	MMT	Percent
COPRA								
World	5.82	5.61	5.38	5.38	0.00	0.00	-0.23	-4.05
Philippines	2.25	2.25	2.00	2.00	0.00	0.00	-0.25	-11.11
Indonesia	1.93	1.70	1.70	1.70	0.00	0.00	0.00	0.00
India	0.65	0.68	0.70	0.70	0.00	0.00	0.02	2.94
Mexico	0.21	0.21	0.22	0.22	0.00	0.00	0.01	2.87
Sri Lanka	0.07	0.07	0.07	0.07	0.00	0.00	0.00	0.00
Vietnam	0.13	0.13	0.13	0.13	0.00	0.00	0.00	0.00
Malaysia	0.03	0.03	0.03	0.03	0.00	0.00	-0.00	-9.37
Others	0.55	0.54	0.54	0.54	0.00	0.00	0.00	0.00
PALM KERNEL								
World	5.32	5.16	5.40	5.40	0.00	0.00	0.24	4.61
Malaysia	2.63	2.55	2.65	2.65	0.00	0.00	0.10	3.92
Indonesia	1.59	1.48	1.62	1.62	0.00	0.00	0.14	9.46
Nigeria	0.26	0.25	0.25	0.25	0.00	0.00	0.00	0.00
Cote d'Ivoire	0.06	0.06	0.07	0.07	0.00	0.00	0.00	6.35
Colombia	0.08	0.08	0.08	0.08	0.00	0.00	0.00	2.63
Thailand	0.09	0.11	0.08	0.08	0.00	0.00	-0.03	-23.36
Zaire	0.03	0.03	0.03	0.03	0.00	0.00	0.00	0.00
Ecuador	0.03	0.04	0.04	0.04	0.00	0.00	0.00	11.11
Others	0.55	0.57	0.58	0.58	0.00	0.00	0.01	2.30
PALM OIL								
World	17.59	16.87	17.66	17.66	0.00	0.00	0.79	4.65
Malaysia	9.01	8.50	8.80	8.80	0.00	0.00	0.30	3.53
Indonesia	5.39	5.00	5.50	5.50	0.00	0.00	0.50	10.00
Nigeria	0.60	0.59	0.59	0.59	0.00	0.00	0.00	0.00
Cote d'Ivoire	0.29	0.30	0.32	0.32	0.00	0.00	0.02	6.67
Colombia	0.41	0.44	0.45	0.45	0.00	0.00	0.01	2.27
Thailand	0.40	0.47	0.36	0.36	0.00	0.00	-0.11	-23.40
Zaire	0.12	0.12	0.12	0.12	0.00	0.00	0.00	0.00
Ecuador	0.20	0.23	0.25	0.25	0.00	0.00	0.03	11.11
Others	1.19	1.23	1.27	1.27	0.00	0.00	0.04	3.25

**TABLE 18**  
**Cotton Area, Yield, and Production**  
**World and Selected Countries and Regions**

Country/Region	Area				Yield				Production				Change In Production			
	Prel.		1998/99 Proj.		Prel.		1998/99 Proj.		Prel.		1998/99 Proj.		From last month		From last year	
	1996/97	1997/98	Oct	Nov.	1996/97	1997/98	Oct	Nov.	1996/97	1997/98	Oct	Nov.	MBales	Percent	MBales	Percent
	Million hectares				Kilograms per hectare				Million 480 lb. bales							
World	33.82	33.45	32.75	32.55	576	593	564	560	89.43	91.17	84.78	83.69	-1.10	-1.29	-7.48	-8.21
United States	5.21	5.37	4.19	4.20	792	762	690	686	18.94	18.79	13.29	13.23	-0.06	-0.43	-5.56	-29.60
Total Foreign	28.61	28.08	28.56	28.35	536	561	545	541	70.49	72.37	71.49	70.45	-1.04	-1.45	-1.92	-2.65
Major Exporters	15.77	15.80	15.79	15.61	667	715	695	690	48.27	51.89	50.38	49.48	-0.90	-1.79	-2.41	-4.64
China	4.72	4.50	4.50	4.50	890	1,021	910	910	19.30	21.10	18.80	18.80	0.00	0.00	-2.30	-10.90
Pakistan	3.15	2.96	2.90	2.90	506	515	563	563	7.32	7.00	7.50	7.50	0.00	0.00	0.50	7.14
Sudan	0.28	0.27	0.30	0.20	358	329	363	327	0.46	0.40	0.50	0.30	-0.20	-40.00	-0.10	-25.00
Turkey	0.74	0.71	0.70	0.70	1,055	1,165	1,151	1,151	3.60	3.80	3.70	3.70	0.00	0.00	-0.10	-2.63
FSU-12	2.50	2.46	2.53	2.53	572	638	634	587	6.57	7.21	7.37	6.82	-0.55	-7.47	-0.40	-5.48
Uzbekistan	1.49	1.48	1.50	1.50	705	778	726	668	4.81	5.30	5.00	4.60	-0.40	-8.00	-0.70	-13.21
Turkmenistan	0.45	0.45	0.48	0.48	310	411	458	458	0.64	0.85	1.00	1.00	0.00	0.00	0.15	17.65
Other	0.57	0.53	0.55	0.55	432	436	537	478	1.12	1.06	1.37	1.22	-0.15	-10.99	0.16	14.62
Egypt	0.39	0.37	0.30	0.30	882	902	871	871	1.57	1.55	1.20	1.20	0.00	0.00	-0.35	-22.58
African Franc Zone	1.91	2.24	2.27	2.27	418	420	415	415	3.67	4.32	4.32	4.32	0.00	0.00	-0.00	-0.00
Southern Hemisphere	2.08	2.29	2.30	2.22	606	620	664	672	5.78	6.51	7.00	6.85	-0.15	-2.14	0.34	5.17
Argentina	0.88	0.80	0.75	0.70	369	367	464	467	1.49	1.35	1.60	1.50	-0.10	-6.25	0.15	11.11
Australia	0.40	0.44	0.47	0.47	1,535	1,523	1,482	1,482	2.79	3.06	3.20	3.20	0.00	0.00	0.14	4.47
Brazil	0.70	0.85	0.85	0.85	403	448	461	461	1.29	1.75	1.80	1.80	0.00	0.00	0.05	2.86
Paraguay	0.11	0.20	0.23	0.20	429	381	387	381	0.21	0.35	0.40	0.35	-0.05	-12.50	0.00	0.00
Major Importers	0.55	0.55	0.56	0.56	789	861	847	847	1.99	2.17	2.17	2.17	0.00	0.00	-0.01	-0.37
Other Foreign	12.29	11.73	12.21	12.18	358	340	338	336	20.23	18.31	18.95	18.81	-0.14	-0.74	0.50	2.71
India	9.17	8.85	9.05	9.05	328	295	301	301	13.81	12.00	12.50	12.50	0.00	0.00	0.50	4.17
Others	3.13	2.88	3.16	3.13	448	477	444	438	6.43	6.31	6.45	6.31	-0.14	-2.17	-0.00	-0.06



**TABLE 19**

The table below presents a 17-year record of the differences between the November projection and the final estimate. Using world wheat production as an example, changes between the November projection and the final estimate have averaged 5.8 million tons (1.1 percent) and ranged from -18.1 to 7.2 million tons. The November projection has been below the final 11 times and above the final 6 times.

**RELIABILITY OF PRODUCTION PROJECTIONS**

COMMODITY AND REGION	PROJECTION AND FINAL ESTIMATES, 1981/82 - 1997/98 1/					
	Difference		Lowest	Highest	Below Final	Above Final
	Average	Average	Difference			
	Percent	---Million metric tons---			Number of years 2/	
<b>WHEAT</b>						
World	1.1	5.8	-18.1	7.2	11	6
U.S.	0.3	0.2	-1.2	0.5	9	6
Foreign	1.3	5.8	-18.2	7.4	11	6
<b>COARSE GRAINS 3/</b>						
World	1.0	8.4	-20.8	7.8	12	5
U.S.	1.1	2.4	-7.5	5.8	12	5
Foreign	1.3	7.7	-18.1	6.0	11	6
<b>RICE (Milled)</b>						
World	2.0	6.6	-16.8	1.6	16	1
U.S.	2.7	0.1	-0.3	0.2	8	8
Foreign	2.0	6.6	-16.9	1.7	16	1
<b>SOYBEANS</b>						
World	2.4	2.7	-6.9	3.6	9	8
U.S.	2.0	1.0	-2.7	2.1	6	11
Foreign	4.2	2.3	-7.8	3.4	10	7
			---Million 480-lb. bales---			
<b>COTTON</b>						
World	2.9	2.4	-6.5	5.8	11	6
U.S.	2.3	0.3	-0.8	0.9	9	7
Foreign	3.5	2.4	-6.8	5.6	9	8
<b>UNITED STATES</b>			-----Million bushels-----			
CORN	1.2	81	-250	159	11	5
SORGHUM	2.5	18	-53	52	9	8
BARLEY	1.3	6	-12	24	7	7
OATS	0.9	4	-18	16	6	5

1/ The final estimate for 1981/82-1996/97 is defined as the first November estimate following the marketing year.

2/ May not total 17 if projection was the same as the final.

3/ Includes corn, sorghum, barley, oats, rye, millet, and mixed grain.

# WORLD AGRICULTURAL WEATHER HIGHLIGHTS

November 10, 1998



## 1 - UNITED STATES

A very wet weather pattern unfolded across the Plains, eliminating topsoil moisture deficits, but slowing cotton harvesting and causing some mid-to late-month flooding. Warm weather accompanied the Plains' rainfall, however, fostering winter wheat establishment. Corn Belt harvesting advanced at an ahead-of-normal pace despite above-normal rainfall, as warm weather kept soils from becoming too wet. In the Southeast, dry weather reduced topsoil moisture, but promoted summer-crop harvesting and winter wheat planting. Unfavorably dry weather also developed in the Pacific Northwest. In contrast, unusually cool, occasionally showery conditions affected the remainder of the West, including California's Central Valley.

## 2 - SOUTH AMERICA

Below-normal October rainfall stressed vegetative to reproductive winter wheat across central Argentina. Scattered rain increased soil moisture levels in late October, but widespread rain is needed to stabilize crop prospects. In southern Brazil, continued above-normal rainfall slowed winter wheat harvesting and reduced wheat quality.

## 3 - EUROPE

In October, above-normal precipitation in England, northern France, and Germany hampered summer crop harvesting and winter wheat planting. In Spain, a late start to the autumn rainy season slowed early winter grain planting. Wet weather in southern Romania and Bulgaria halted corn harvesting and delayed winter wheat planting beyond optimum dates. Since early November, showers continued to hamper fieldwork in northern Europe but increased topsoil moisture for winter grain planting in Spain. Dry weather improved conditions for fieldwork in southern Romania and Bulgaria.

(More details are available in the *Weekly Weather and Crop Bulletin*.  
Subscription information may be obtained by calling (202) 720-7917.)

## 7 - SOUTH ASIA

Unusually late shower activity lingered over the northwest well into October, affecting the quality of rice and cotton. By mid-October, conditions had become more favorable for maturing grains, oilseeds, and cotton in central and northwestern growing areas. Since then, however, periods of very heavy rainfall have caused localized flooding in important rice areas of southern and eastern India and Bangladesh.

## 8 - EASTERN ASIA

In North China Plain, below-normal October rainfall stressed germinating to vegetative rainfed winter wheat but favored summer crop harvesting. Near-normal October rainfall maintained moisture supplies for late rice across the Yangtze Valley. Near- to above-normal rainfall slowed summer crop harvesting in Manchuria, South Korea, and Japan.

## 9 - SOUTHEAST ASIA

Two typhoons (Zeb and Babs) hit the northern Philippines (Luzon Island) during mid-October, causing flooding and damage to mature crops. Above-normal October rainfall contributed to flooding and possible rice damage in central and southern Vietnam. Below-normal rainfall aided rice harvesting in Thailand. Near- to above-normal rainfall increased moisture supplies for oil palm across peninsular Malaysia. In Java, unseasonably heavy showers slowed main-season rice planting and caused some replanting to occur.

## 10 - AUSTRALIA

Unseasonable wetness since mid-October has kept mature winter grains in Queensland and New South Wales unfavorably damp, threatening yield and quality prospects. Excess moisture has also resulted in delays in cotton and sorghum planting. Considerably drier conditions in the west and southeast favored wheat and barley development.

## USDA/OCE - World Agricultural Outlook Board Joint Agricultural Weather Facility

### 4 - FSU-WESTERN

Drought persisted in eastern Ukraine and southern Russia through mid-October, delaying winter wheat planting well beyond optimum dates. Although light to moderate showers since October 20 have improved topsoil moisture conditions in these areas, time is running out for adequate crop establishment since winter wheat typically enters dormancy by mid-November. Recently, colder weather prompted dormancy in winter grains in northern Russia and halted crop growth in most of Ukraine and southern Russia.

### 5 - NORTHWESTERN AFRICA

The autumn rainy season is slow to begin in Morocco, Algeria, and Tunisia. Growers are likely awaiting the onset of consistent autumn rains before widespread planting can begin. The bulk of the winter grain crop is typically planted from mid-November to mid-December.

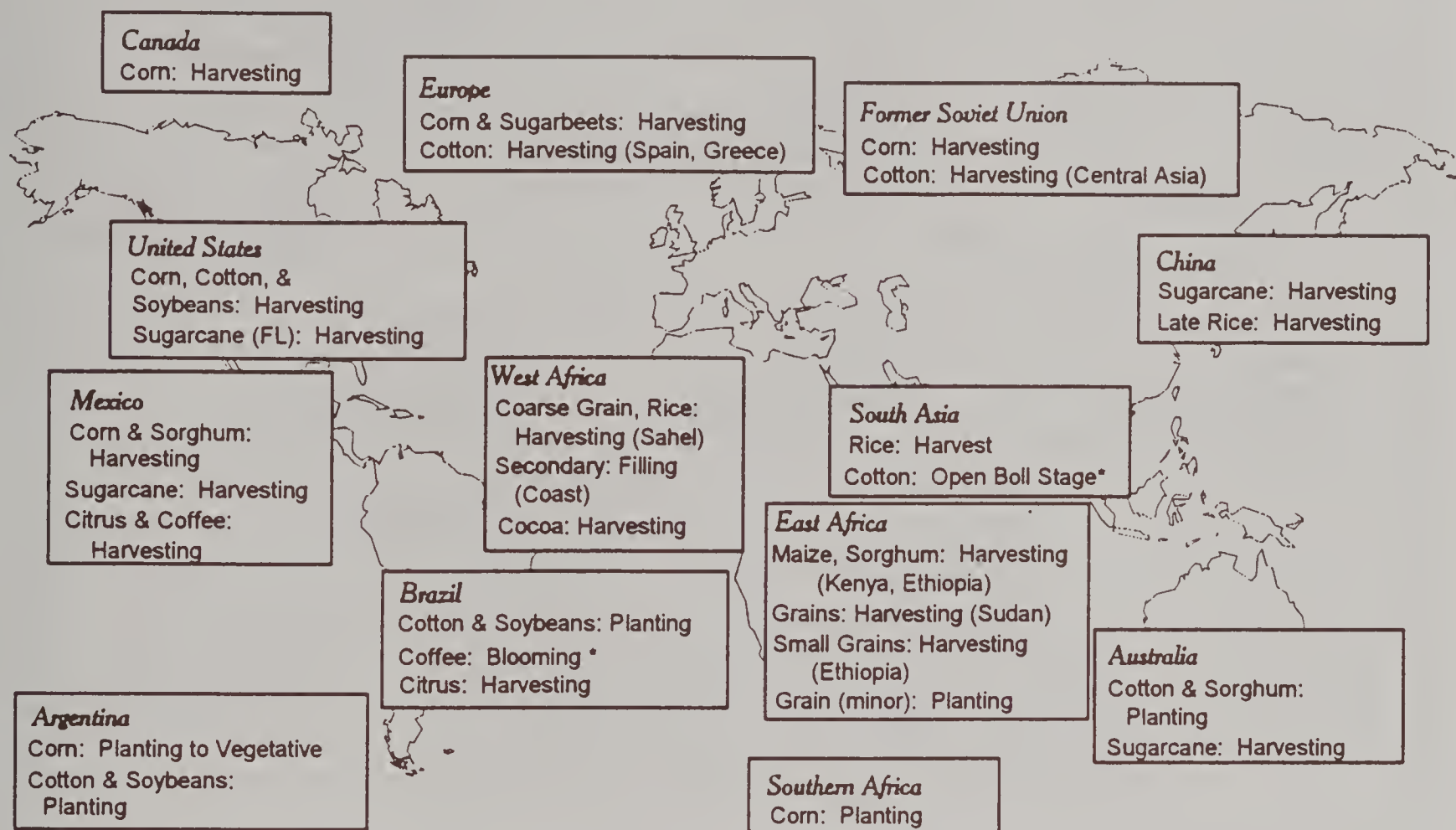
### 6 - SOUTH AFRICA

Moisture reserves are generally favorable for the germination and establishment of corn and other newly-planted summer crops. In early November, unfavorably heavy rainfall may have caused local lodging of unharvested wheat in Western Cape.

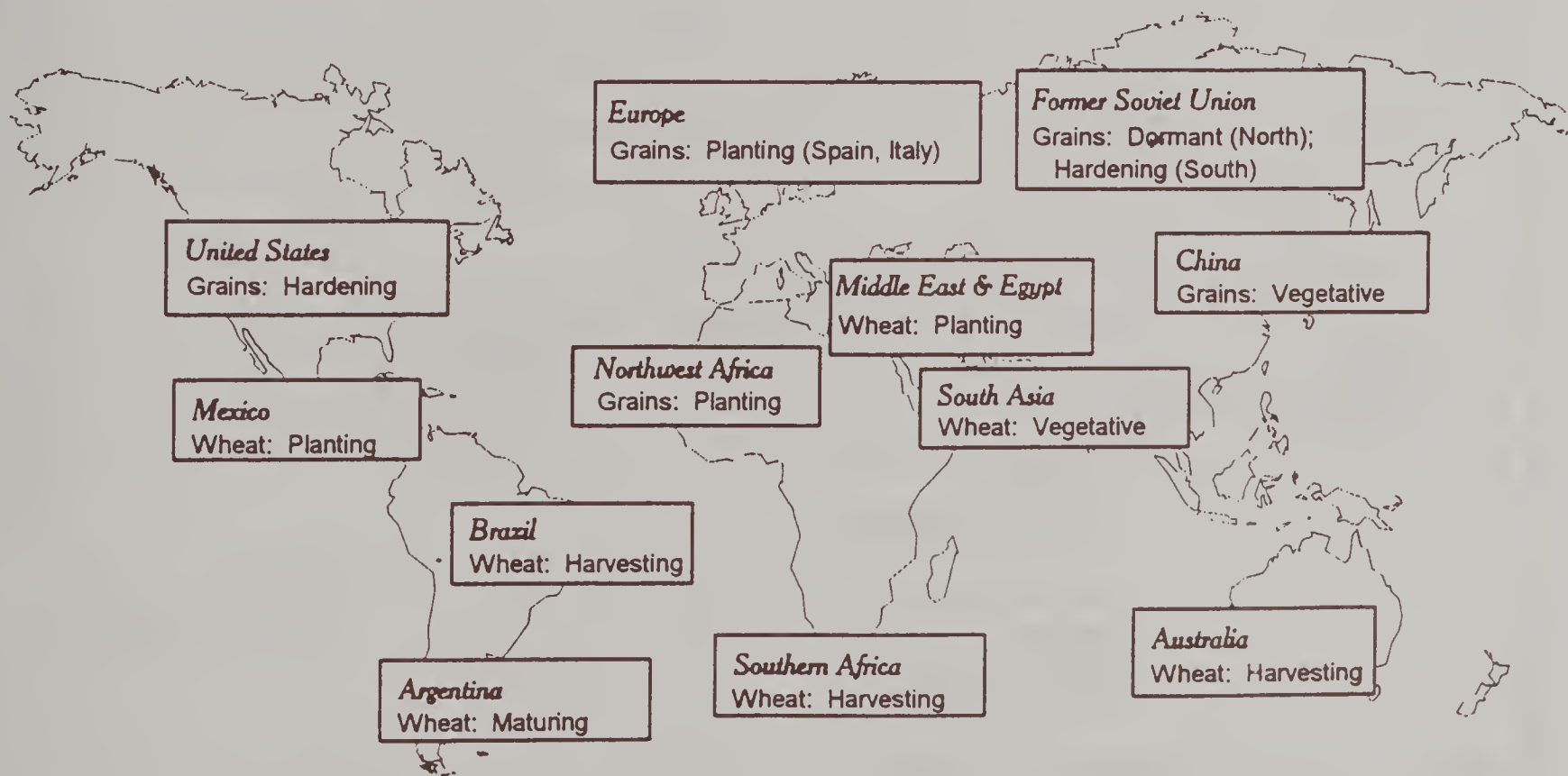


# November normal crop calendar

## Summer crops



## Winter crops

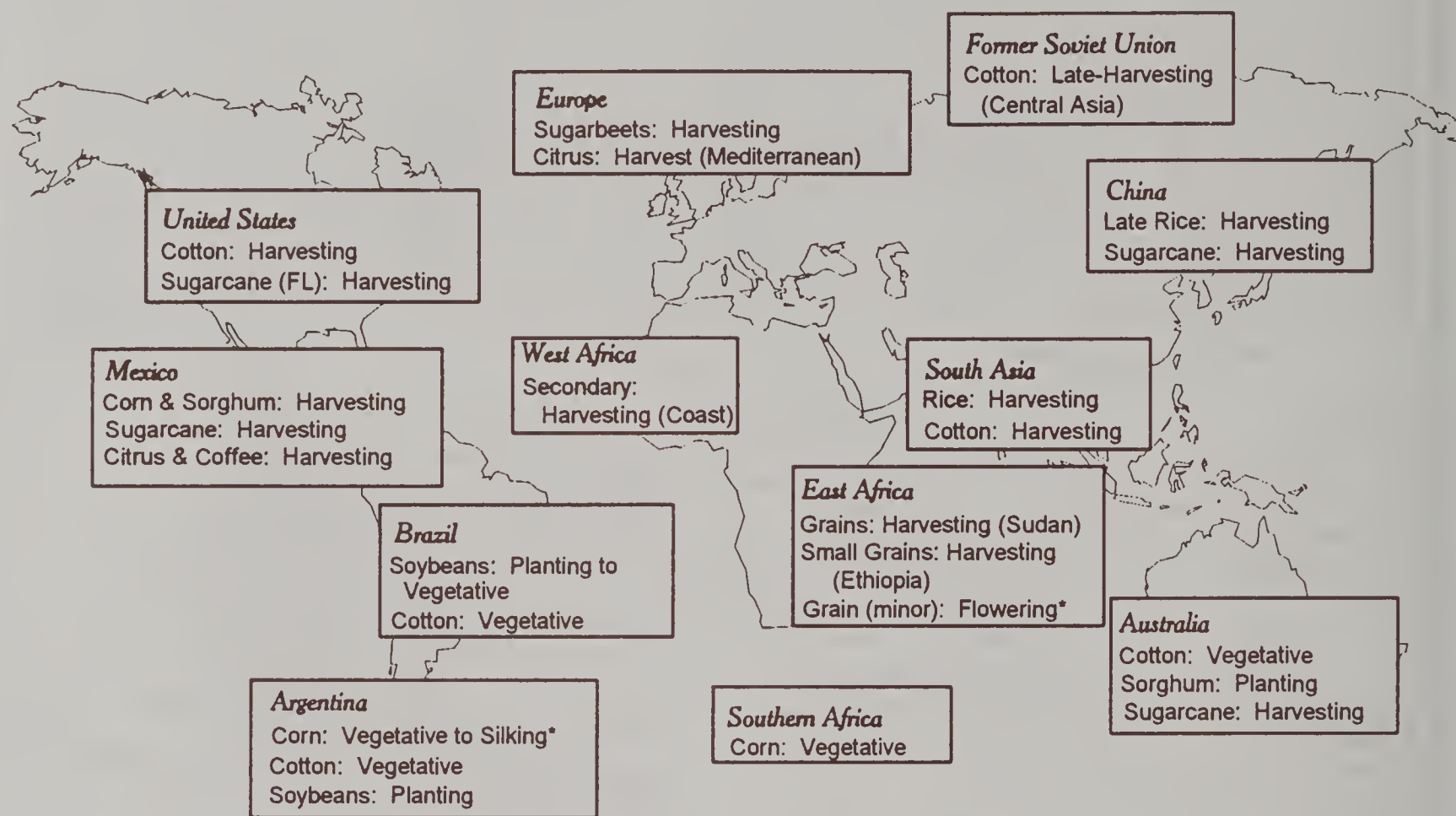


\* Moisture / Temperature Sensitive Stage of Development

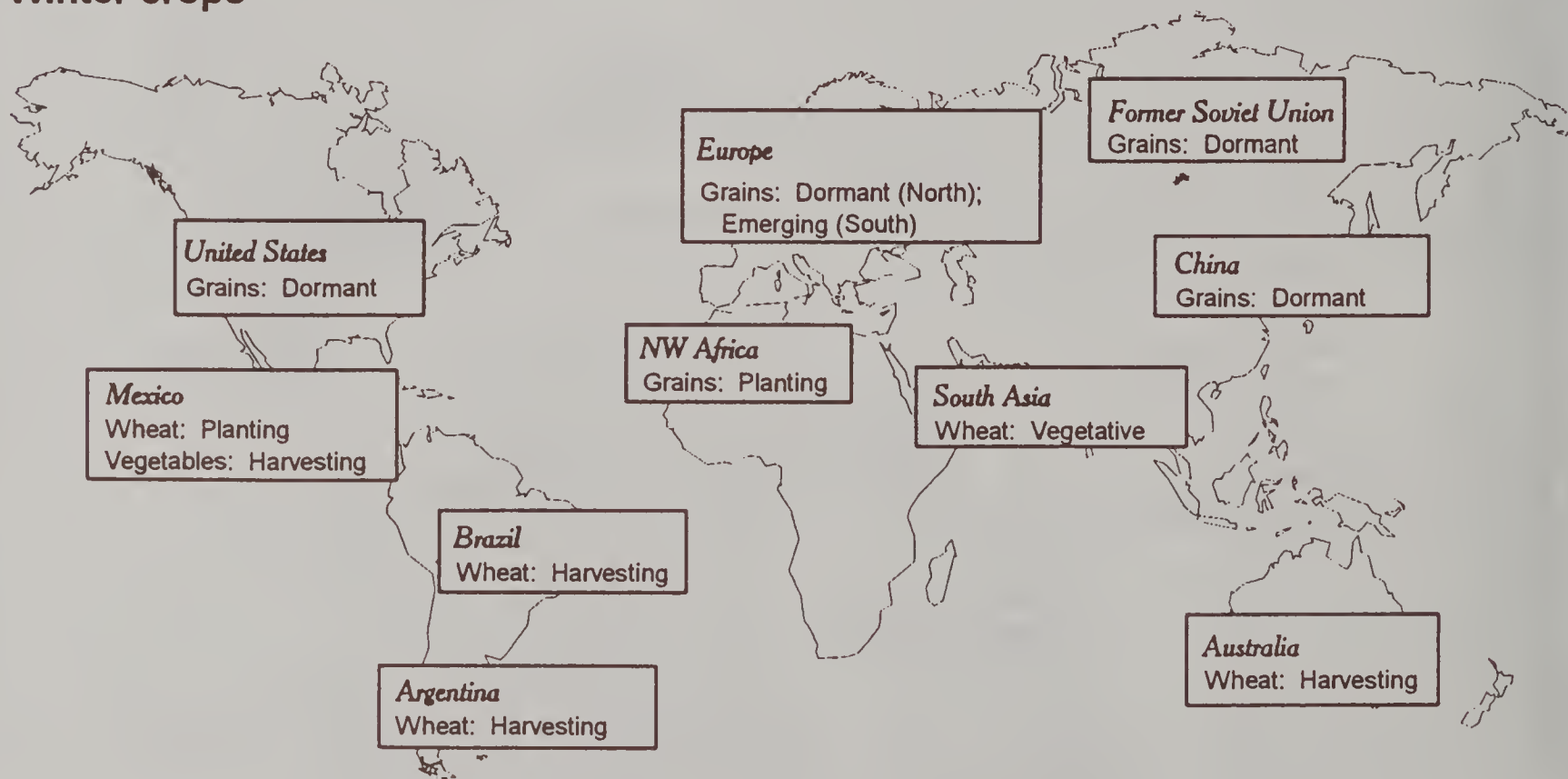
JOINT AGRICULTURAL WEATHER FACILITY (NOAA/USDA)

# December normal crop calendar

## Summer crops



## Winter crops



\* Moisture / Temperature Sensitive Stage of Development

JOINT AGRICULTURAL WEATHER FACILITY (NOAA/USDA)



## WEATHER BRIEFS

### AUSTRALIA: EAST CONTINUES TO BE TOO WET

During September 1998, rainfall was near to above normal across Australia, although a few dry pockets persisted in South Australia and Victoria. For sections of the east, rainfall occurred for the second consecutive month, ranging from 200 to 400 percent of normal. As a result, localized flooding occurred proving unfavorable for maturing winter grains. However, pre-season cotton expectations are high, due to record irrigation reserves and adequate subsoil moisture. In the west, reports indicated that a late frost caused unspecified damage to flowering wheat on September 19, 25, and 26, the extent of damage which has yet to be fully determined.

During October 1 - 3, much-needed, drier weather dominated the east. The break in the chronically wet pattern, accompanied by above-normal temperatures, favored mature winter grains and allowed cotton and sorghum fields an opportunity to dry prior to planting. Lingering showers kept topsoil moist across the southeast. In Western Australia, scattered, mostly light showers covered southern sections of the winter grain belt as the north remained dry. Temperatures were mild, although unseasonable coolness lingered early in the week over sections of the west. During October 4 - 10, light to moderate showers swept across the southeast reaching as far north as the Darling Downs. The moisture was favorable for winter grains in South Australia and Victoria, but in New South Wales, the rain kept maturing wheat and barley unusually wet. Quality downgrades and diseases were a concern. In Queensland, somewhat drier weather and seasonable temperatures favored winter grain harvests and allowed cotton and sorghum planting to progress. Cool, dry weather dominated Western Australia, but no new freezes were recorded.

From October 11 - 17, favorable dryness continued over crop areas of central and northern New South Wales, improving quality prospects of maturing wheat and barley. In addition, the pace of cotton and sorghum planting likely increased. Scattered, mostly light showers in southern Queensland's agricultural districts likely had little, if any, effects on winter grain harvests. Farther south, light showers kept topsoil moist for reproductive to filling winter grains from South Australia to southern New South Wales. Mild, mostly dry weather in Western Australia favored wheat and barley in reproductive to filling stages.

During October 18 - 31, moderate rainfall persisted in the agricultural areas of northern and central New South Wales. These rains interfered with seasonal fieldwork which included winter grain harvesting and summer crop planting. Farther north, in southern and eastern Queensland, heavy rainfall during this two-week period, worsened prospects for unharvested winter grains and sugarcane. The rain also brought spring fieldwork to a halt in important sorghum and cotton growing areas.

## CENTRAL AMERICA: HURRICANE MITCH CAUSES MASSIVE CROP DAMAGE

After peaking in strength with 180 miles per hour sustained winds on October 26 - 27, 1998, Hurricane Mitch drifted slowly across Central America. At peak strength, Mitch tied August 1969's Hurricane Camille as the fourth-strongest storm in Atlantic Basin history and the strongest October Atlantic hurricane on record. Agricultural operations in Honduras and Nicaragua, as well as portions of El Salvador and Guatemala, were adversely affected by severe flooding, gusty winds, mud-slides and flood-damaged infrastructure. Nearly 10,000 people have died and one million of the six million people in Honduras have been left homeless. A preliminary report by the U.S. agricultural attache in Guatemala indicates that more than 70 percent of total agricultural production has been lost in Honduras at the point of the hurricane's landfall. Other reports indicate that about 30 percent of Honduras's coffee has been directly affected. Sugarcane is less likely to have suffered as much damage due to its resilience to excessive rain and wind.

## PHILIPPINES: RAINFALL INCREASES; TWO TYPHOONS HIT LUZON

During September 1998, near-normal rainfall eased long-term dryness in the Philippines, but slowed rice harvesting. During October 1 - 10, 1998, moderate to heavy showers continued to increase seasonal moisture reserves while slowing transitional seasonal fieldwork. During the week of October 11 - 17, Super Typhoon Zeb struck the northeastern coast of Luzon Island, with sustained winds of 175 miles per hour. The storm caused considerable damage as it crossed the Cagayan Valley, which historically accounts for about 10 percent of the nation's rice. Main-season rice harvests and second-season planting was underway prior to the storm's passage. Inundating rain fell along Luzon's mountainous western coast, but more moderate showers fell in the central and southern islands. During the following week, October 18 - 24, another powerful typhoon, Babs, struck Luzon. This storm hit the island's southeastern tip with sustained winds of more than 100 miles per hour, causing an indeterminable amount of damage to that region's copra, sugarcane, and rice industry. High winds and very heavy rain prevailed over much of southern Luzon and the nearby Visayan Islands, which typically account for about 30 percent of the nation's coconut production. From October 25 - 31, drier weather prevailed across the Philippines, easing wetness and allowing typhoon cleanup efforts and recovery to commence.



## PRODUCTION BRIEFS

### AUSTRALIA: WHEAT AND BARLEY REDUCED DUE TO UNFAVORABLE WEATHER

Australia's 1998/99 wheat output is forecast at 22.0 million tons, down 1.5 million or 6 percent from last month, but up 13 percent from 1997/98. Wheat planted area is reduced to 11.5 million hectares, down 0.3 million from last month, as indicated by a recent report by Australia's Bureau of Agriculture and Resource Economics (ABARE). Barley production is lowered this month to an estimated 5.5 million tons, down 0.5 million or 8 percent from last month and down 14 percent from 1997/98. Area remains unchanged at an estimated 3.0 million hectares.

Combinations of persistent rains across the already saturated cropping areas in northern New South Wales and Queensland, frost damage in parts of Western Australia, and below normal rainfall in Victoria adversely affected the wheat quality and quantity this past month. However, South Australia and central New South Wales have experienced a generally favorable growing season.

According to ABARE, around 0.2 million hectares have been lost in New South Wales due to flooding. In addition, fungus outbreaks are reported in the areas of excessive rainfall, and much of the northern crop may be downgraded for quality. The frost damage from late-September in Western Australia will become more evident as the crop moves into harvest. ABARE reports that some frost-affected areas have been cut for hay, while "significant quantities of wheat are expected to be downgraded to feed quality in frost-affected areas."

### RUSSIA: GRAINS OUTPUT LOWERED BASED ON HARVEST PROGRESS

Wheat production for 1998/99 is estimated at 28.0 million tons, down 0.5 million from last month and down 16.2 million from last year. Barley output is estimated at 9.5 million tons, down 0.5 million from last month and down 11.3 million from last year. Harvest reports indicate that total grain production for 1998/99 is estimated to reach 49.3 million tons (not including roughly 1.5 million tons of pulses and miscellaneous grains) against nearly 85.3 million for 1997/98. Total-grain area is estimated at 47.9 million hectares--a drop of 3.6 million hectares from last year, including a 2.6-million-hectare reduction in barley area. Estimated total-grain yield is down approximately 40 percent from last year because of severe drought. According to Russian agricultural officials, 11.0 - 12.0 million hectares of grain perished as a result of persistent dryness and extreme heat in the Volga Valley and adjacent regions.

## KAZAKSTAN: WHEAT PRODUCTION REDUCED AS YIELD IS CUT

Wheat production for 1998/99 is estimated at 5.0 million tons, down 0.5 million from last month and down 4.0 million from last year. Estimated wheat area dropped 1.5 million hectares to 10.0 million, due chiefly to continuing shortage of capital, seed, and operational machinery. Persistent drought and excessive heat slashed grain yield in the key production zone. The combination of low area and poor yield drove total grain production to the lowest level in over forty years.

## MEXICO: COARSE GRAIN OUTPUT INCREASES DUE TO EXTENDED RAINS

Mexico's 1998/99 sorghum production estimate is increased this month from 6.0 million tons to 6.5 million, a month-to-month change of 8 percent. Area is unchanged at 2.0 million hectares. The change reflects the latest Secretariat of Agriculture, Livestock, and Rural Development (SAGAR) data indicating that the negative impact of the delayed arrival of the summer monsoon has been less than anticipated. The absence of an early frost extended the growing season, resulting in near-normal plant development.

Mexico's 1998/99 corn production forecast is increased this month from 17.5 million tons to 18.0 million tons, a month-to-month change of 3 percent. Area is unchanged at 7.7 million hectares. In addition to the absence of an early frost, a very long summer growing season allowed corn to develop in a near-normal fashion despite the delayed arrival of the annual rainy season. The summer crop, which is normally harvested by December, accounts for about 80 percent of annual production.

Mexico's 1997/98 corn production estimate is reduced this month from 17.5 million tons to 17.0 million tons, a month-to-month change of 3 percent. Area is unchanged at 7.4 million hectares. The change reflected the most recent SAGAR data update for the 1997 spring-summer season harvested corn crop.

## EUROPEAN UNION: COARSE GRAIN OUTPUT REVISED LOWER

The European Union (EU) is estimated to produce 104.1 million tons of coarse grains during 1998/99 down 0.9 million from last month and down 5 percent from last season's record crop. Harvested area is estimated at 19.9 million hectares up marginally from last month, but down 3 percent from 1997/98. Corn production for the EU is estimated at 33.2 million tons, down 0.6 million from last month and down 14 percent from last season's record level. For France, corn output is lowered 0.2 million from last month to 14.3 million tons as preliminary harvest results indicate a reduced yield. Wet weather has been hampering harvest progress. For Italy, corn is reduced 0.4 million this month to 8.6 million tons due to lower yield. Hot, dry weather during the end of July and beginning of August, along with reports of corn borer attacks lowered production this season. Barley production for the EU is estimated at 52.7 million tons, down 0.7 million from last month, but up slightly from last year. For the United Kingdom, the barley crop is reduced to an estimated 6.6 million tons down 0.7 million from last month and down 16 percent from last year as preliminary harvest reports indicate lower yield.



## PHILIPPINES: RICE OUTPUT LOWERED DUE TO TYPHOONS

A series of typhoons have adversely affected rice production in the Philippines. Milled rice production for 1998/99 is estimated at 6.9 million tons, down 0.3 million from last month, but up 7 percent from last year's drought affected crop. Area is estimated at 3.8 million tons, down 50,000 hectares from last month, but up 7 percent from last season. Typhoons Babs and Zeb slammed into the Philippines with high winds and heavy rains during the month of October causing area and yield reductions to rice. The damage occurred as the wet season crop was in the middle of harvest (September to December). The second season rice is harvested in February and April. As communication and infrastructures are restored, and the U.S. agricultural counselor in Manila has more time to assess the impact of the storms, a more complete assessment of the damages will be forthcoming.

## UNITED STATES: CROP CONDITION AND PROGRESS

Crops rapidly matured, as temperatures remained seasonable or above-normal east of the Rocky Mountains throughout the month. Harvest momentum accelerated in the Corn Belt, Great Plains, and Southeast, as early-month dry weather aided progress. As the month progressed, most of the Corn Belt and Great Plains received substantial rainfall but the harvest pace remained ahead of the 5-year average. Harvest operations lagged in the Southwest, as crops matured well behind normal especially in California. Dry weather hindered fall seeding operations in the High Plains. Heavy rainfall caused local flooding in the Northeast early in the month and some parts of Texas, Oklahoma, and Kansas experienced flooding and erosion late in the month.

As the month began, nearly all of the Nation's corn had reached maturity and most of the soybeans were dropping leaves, more than 1 week ahead of normal for both crops. Dry weather provided excellent harvest conditions for the first week of the month. Periodic rains interfered with harvest activities during the month, first in the western Corn Belt then later in the southern, central, and eastern Corn Belt. Harvest activities were able to resume in all areas after the brief rain delays and remained well ahead of normal throughout the month. By the end of the month, the harvest season was winding down, more than 1 week early for corn and nearly 1 week early for soybeans.

Cotton development began the month 1 week ahead of normal, with virtually all fields in the Mississippi Delta States in the boll opening stage, much of which was harvested. Most of the crop was mature in the southern Plains and Southeast, but continued to rapidly advance in California. Georges' heavy rains and subsequent flooding damaged cotton fields along the eastern Gulf coast and halted harvest activity. Harvest efforts were interrupted by rain in the northern and extreme southern areas of the Mississippi Delta, as well as parts of the Atlantic Coastal Plains during the first half of the month. Meanwhile, dry conditions in the central Mississippi Delta region and western Oklahoma aided progress. Harvest accelerated during the last half of the month, as rain delays were mostly limited to the southern Plains. As the month ended, two-thirds of the crop was harvested, ahead of the normal pace, but California producers lagged well behind the 5-year average.

Less than half of the winter wheat was seeded when the month began and only one-fourth had emerged. Early-month rains in the southern Plains were welcomed in spite of the resulting planting

delays, as the moisture was needed to germinate seeds. In the northern Rocky Mountains and Pacific Northwest, favorable weather allowed planting to move ahead of the 5-year average. Growers in the eastern Corn Belt also made rapid seeding progress, especially in Ohio, where planting progressed well ahead of normal. In the southern Corn Belt and northern Delta region, rain curtailed planting until mid-month, when progress began to gain momentum. Emergence lagged in the central and southern Plains due to the slow planting pace, but rain during the first half of the month boosted emergence in the northern Plains.

The rice harvest progressed ahead of normal, except in California, where progress continued to lag behind normal throughout the month. Warm weather early in the month aided sorghum development, allowing the harvest pace to accelerate in the Great Plains and southern Corn Belt. By mid-month, harvest was virtually complete in most areas of the Mississippi Delta States and by the end of the month, growers in the southern Corn Belt and Great Plains were nearly finished also. Peanut harvesting fell behind the normal pace due to heavy rains and flooding from Hurricane Georges and continued to lag throughout the month in Georgia and Alabama. In the southern Plains and along the Atlantic Coastal Plains, harvest progressed ahead of normal.

#### FORMER SOVIET UNION: WEATHER AND CROP DEVELOPMENTS

In Russian spring grain areas east of the Ural mountains, wet weather, including some wet snow delayed final harvest efforts. In crop areas west of the Ural mountains, drought persisted through the middle of October in eastern Ukraine and southern Russia (southern Black Soils Region, North Caucasus, and the lower Volga Valley), delaying winter wheat planting well beyond optimum dates and adversely affecting crop development. In contrast, above-normal precipitation and mild weather in western Ukraine and northern Russia (Northwest Region, Central Region, northern Black Soils Region, Volga Vyatsk, and the upper Volga Valley) favored winter grain establishment. Since October 20, light to moderate showers brought much-needed moisture to drought-stricken winter wheat areas in eastern Ukraine and southern Russia. However, time is running out for further crop establishment in these areas since winter wheat typically enters dormancy by mid-November. Recently, colder weather spread southward over Russia and Ukraine. The cold weather in northern Russia ended a period of unseasonable warmth, prompting winter grains to begin entering dormancy about 3 weeks later than usual. Farther south, the cold weather in eastern Ukraine and southern Russia slowed or halted winter wheat growth. If early growth is stunted or crops are minimally established as they are now, the crop's ability to withstand low temperatures is reduced, and vulnerability to potential winterkill conditions increases. Thus, the weather during the remainder of the fall and over the winter will play a major role in determining prospects for next year's crop.

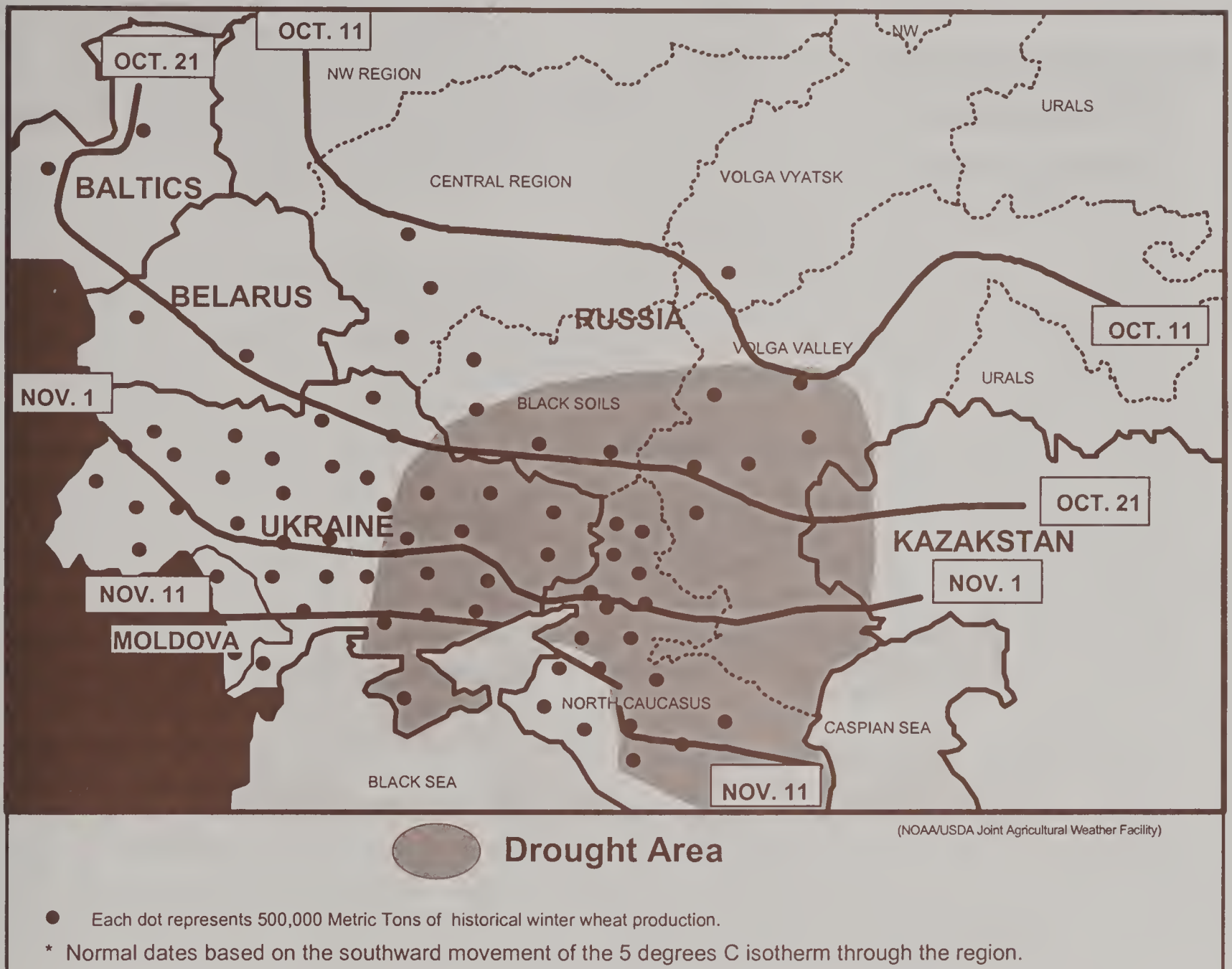
---

Tom Puterbaugh (202) 720-2012



# FORMER SOVIET UNION (WESTERN)

Normal Dates For End Of Vegetative Period For Winter Grains \*



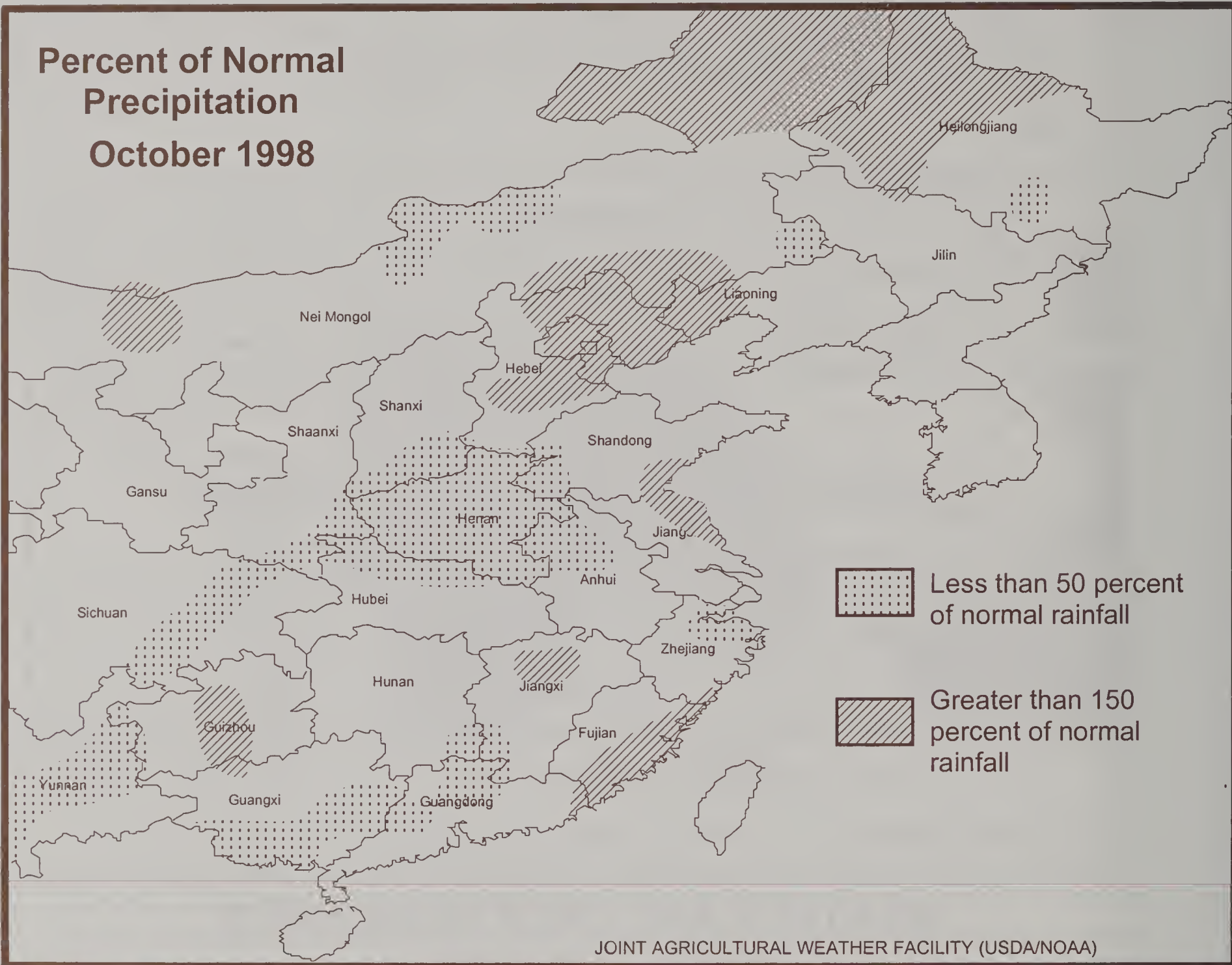
## WEATHER AND CROP HIGHLIGHTS

November 10, 1998

- o Drought persisted through the middle of October in eastern Ukraine and southern Russia, delaying winter wheat planting well beyond optimum dates and adversely affecting crop development.
- o Since October 20, light to moderate showers brought much-needed moisture to drought-stricken crop areas. However, time is running out for sufficient crop establishment prior to dormancy.
- o Recently, colder weather prompted dormancy of winter grains in northern Russia about 3 weeks later than usual, and slowed or halted vegetative growth in Ukraine and southern Russia.

MAP 5  
**CHINA**

**Percent of Normal  
Precipitation  
October 1998**



**WEATHER AND CROP HIGHLIGHTS**

**NOVEMBER 10, 1998**

- In the North China Plain, below-normal October rainfall stressed germinating to vegetative rainfed winter wheat but favored summer crop harvesting. Near-normal summer rainfall has provided adequate irrigation supplies for irrigated winter wheat across the region. Near- to above-normal rainfall slowed summer crop harvesting in Manchuria.
- Near-normal October rainfall maintained moisture supplies for late rice across the Yangtze Valley.



## FEATURE COMMODITY ARTICLES

### WORLD GRAINS AND OILSEEDS AREA AND PRODUCTION

The following charts (see charts 1 - 9) illustrate the changes in harvested area and production for total-grains and the major oilseeds over the past two decades by important producers or producing regions.

World total-grain area (wheat, coarse grains, and rice) for 1998/99 is forecast at 683.7 million hectares, down 7.0 million from last season due, in part, to low international grain prices. Global wheat area is down following two seasons of higher area. Barley area is at its lowest level in over 30 years, while oats is at a record low. However, corn and rice areas are up from last year and both are the second highest after the 1996/97 season. Total-grain output for 1998/99 is forecast at 1,849 million tons, down 32.7 million from last season, but the third highest on record. Global wheat output is down from last season's record, but is still the second highest. World corn production is at a record level, while rice output has fallen for the first time in four years. Global oats production is at a record low, while barley is at a 23 year low.

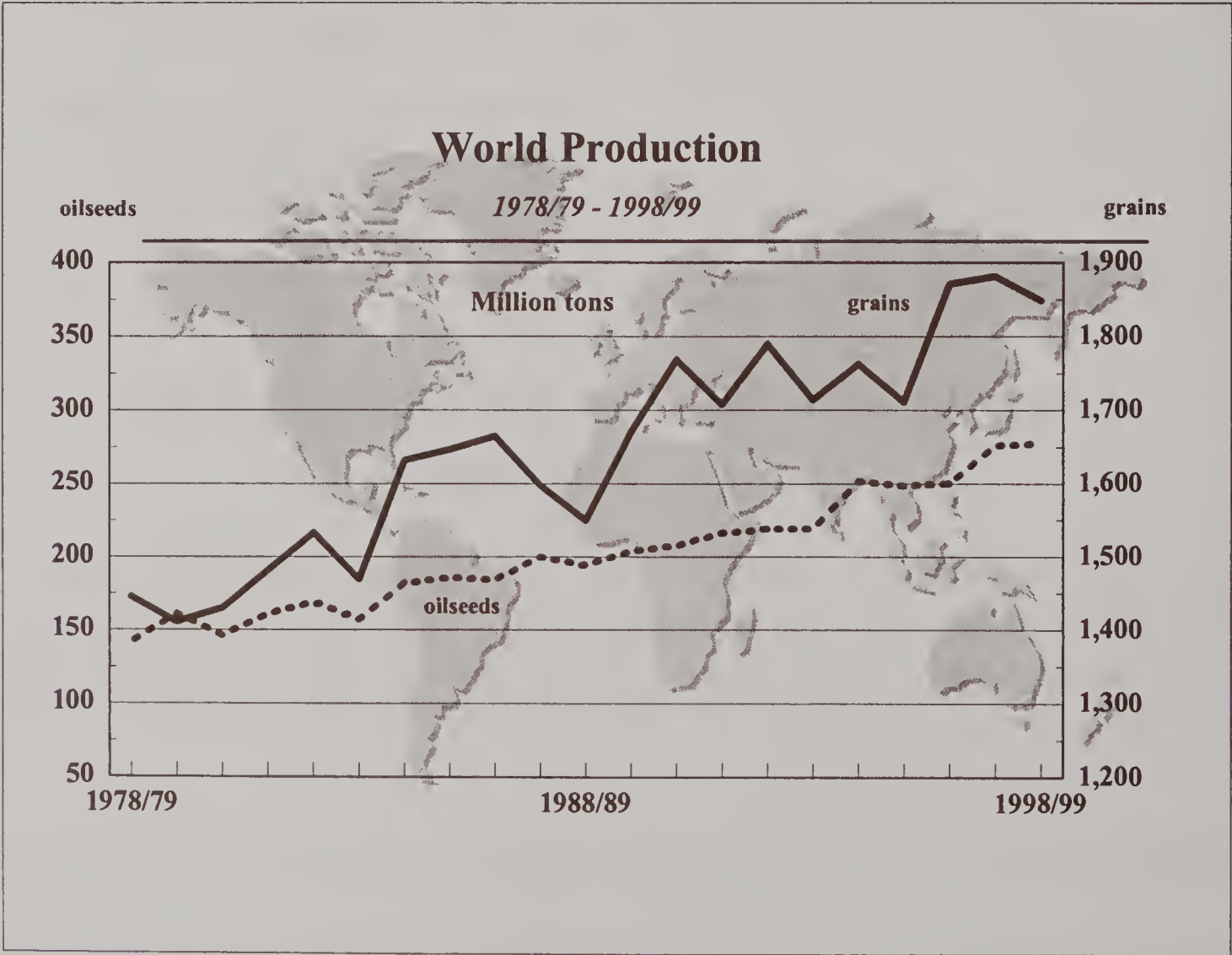
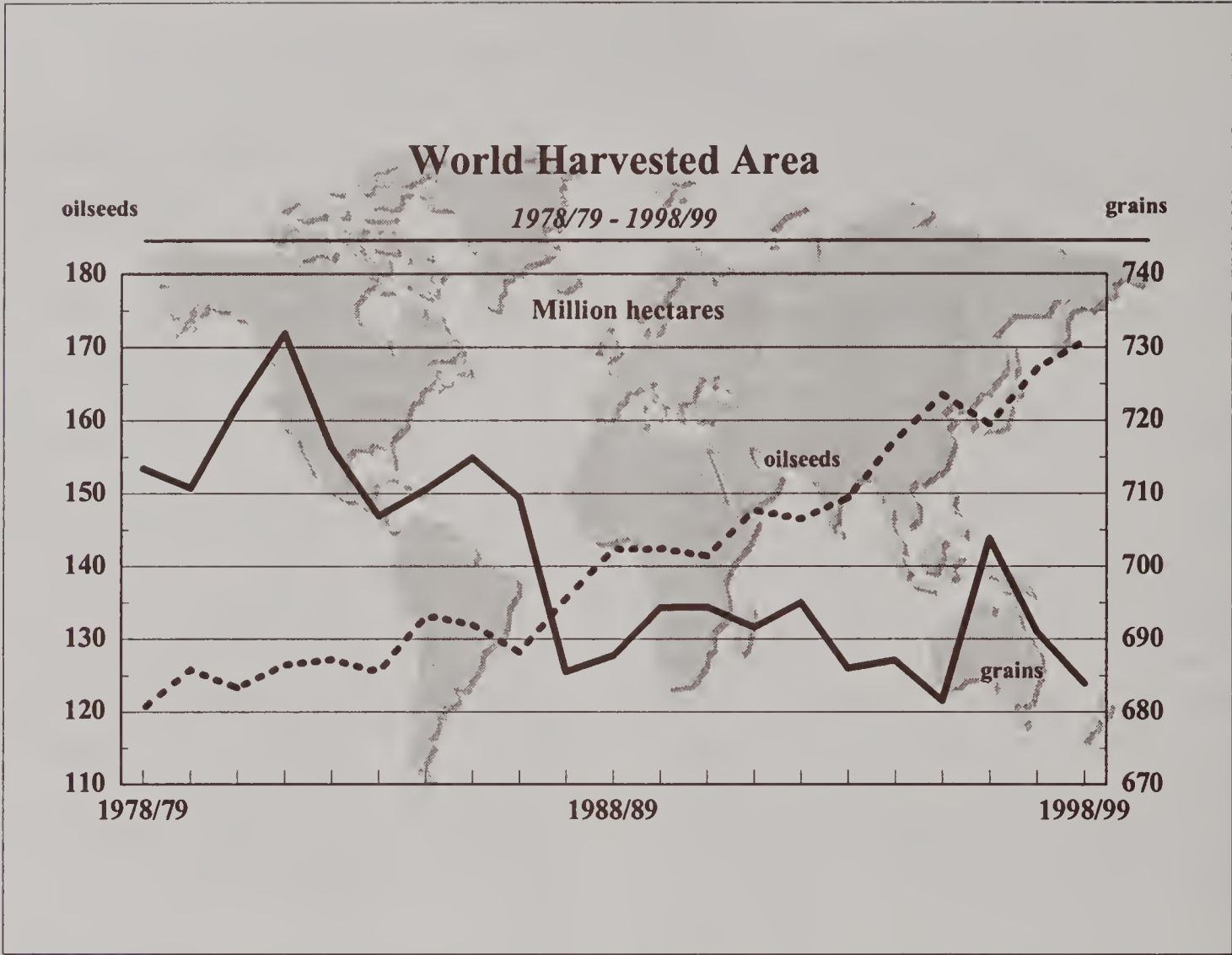
World total area for the major oilseeds during 1998/99 is forecast at a record 170.8 million hectares, up 3.7 million from last season due to favorable prices relative to other crops. World soybean area is at another record, having increased three years in succession. Also, rapeseed, sunflowerseed, and peanut area are at records this year, while cottonseed area is at its lowest in 4 years. Total-oilseed production for 1998/99 is forecast at a record 277.2 million tons, up 0.3 million from a record crop last season. Global soybean production is down from last year due to lower prospective yields in Argentina, Brazil, and China. Rapeseed and sunflowerseed production are at record highs. Peanut production is up from last year, while cottonseed output is down.

---

Timothy Rocke, Grains Chairman  
Telephone: (202) 720-1572  
E-mail: [rocke@fas.usda.gov](mailto:rocke@fas.usda.gov)

Paul Provance, Oilseeds Chairman  
Telephone: (202) 720-0881  
E-mail: [provance@fas.usda.gov](mailto:provance@fas.usda.gov)

CHART 1





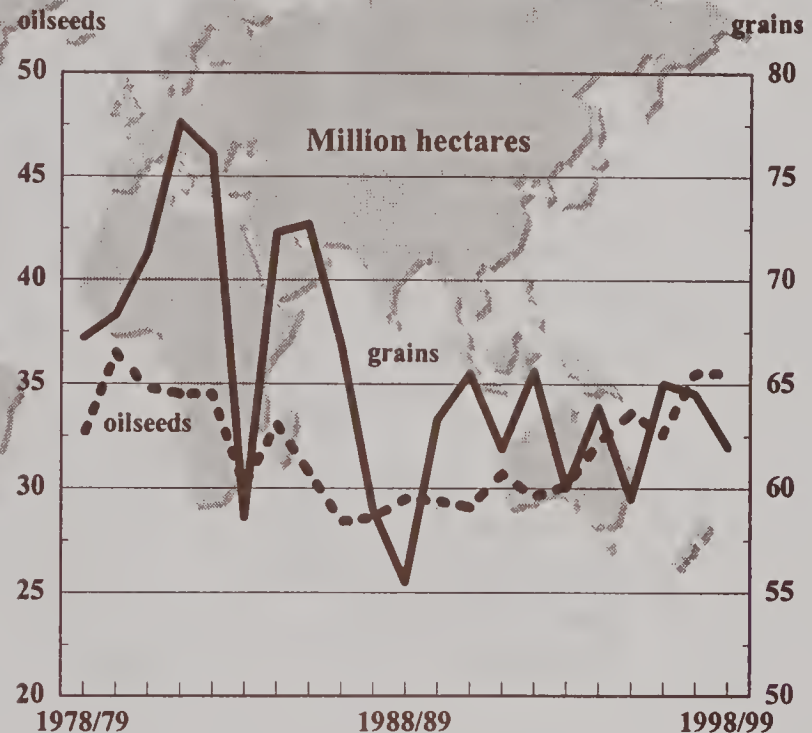
## United States Grain Area Down, Oilseed Stable

### ■ Oilseeds

- Area trends higher over past 10 years
- Soybean increases due to higher prices and more flexibility in farm policy after 1990

### ■ Grains

- Total-grain area down from last season due to lower prices
- Wheat lowest level since 1991/92; barley lowest on record
- Corn similar to 1997/98 robust level



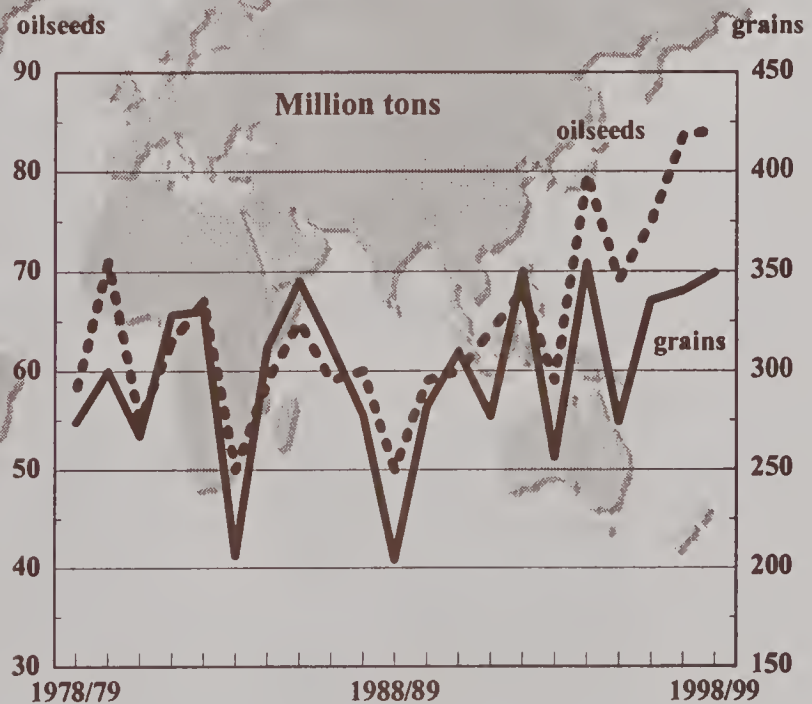
## United States Grain and Oilseed Production Higher

### ■ Oilseeds

- Output trends higher due to yield
- Soybean record crop aided by bumper yield and record area

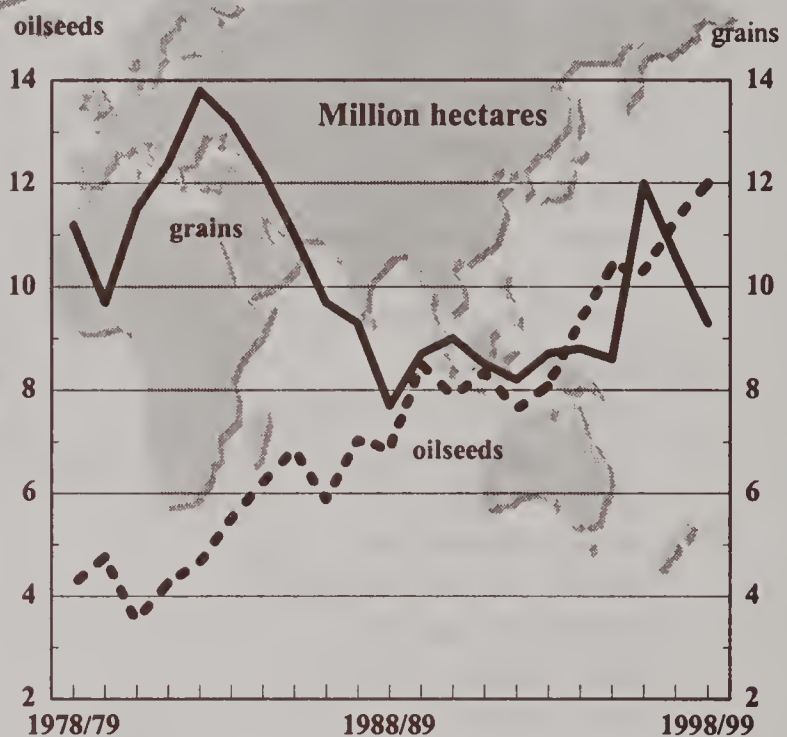
### ■ Grains

- Total-grain output slightly higher, third largest crop
- Wheat output higher due to record yield
- Corn output up, second highest yield and output.



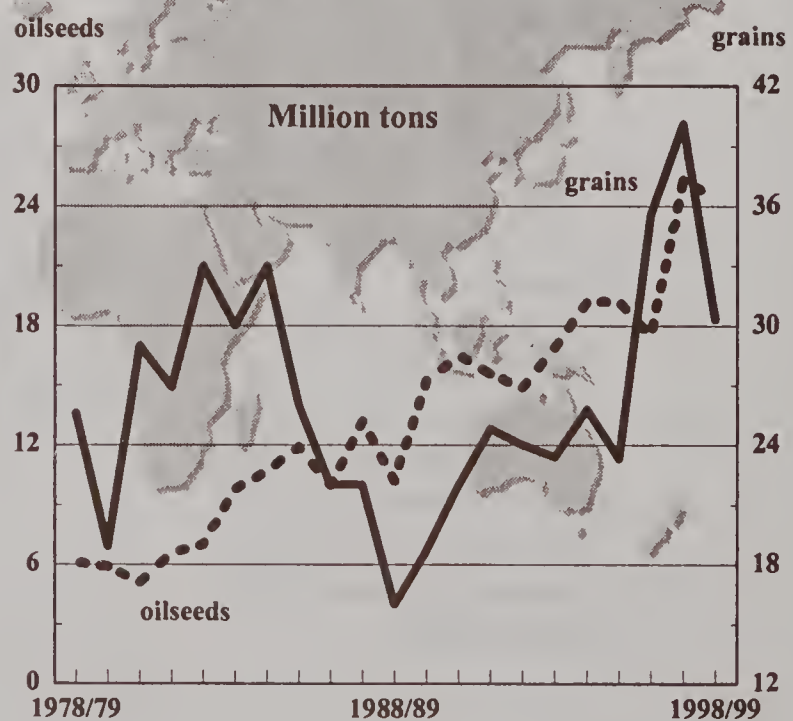
## Argentine Oilseed Area Increases, Grain Declines

- **Oilseeds**
  - Area at record level -- trends higher due to higher relative prices
  - Soybean and sunflowerseed expand in place of grains
- **Grains**
  - Area declines due to weak international prices
  - Surge in 1996/97 due to stronger prices
  - Wheat reduction much greater than corn decrease



## Argentine Oilseed Output Steady, Grain Lower

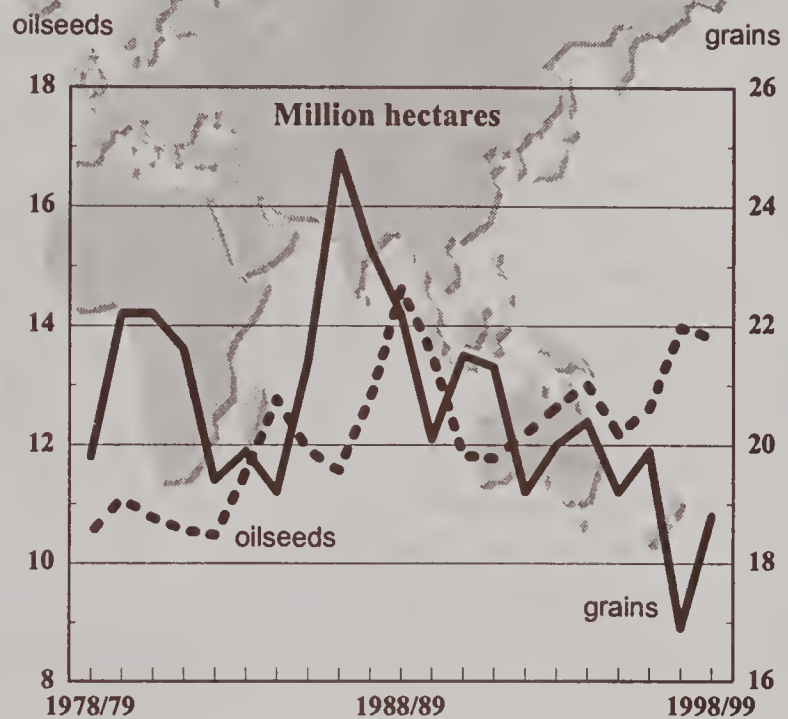
- **Oilseeds**
  - Production down slightly following record yield
  - Soybean yield off 1997/98 record
  - Sunflowerseed trends higher
- **Grains**
  - Output down from record level due to lower area and yield
  - Wheat output down, average yield
  - Corn yield off 1997/98 spike, but still strong





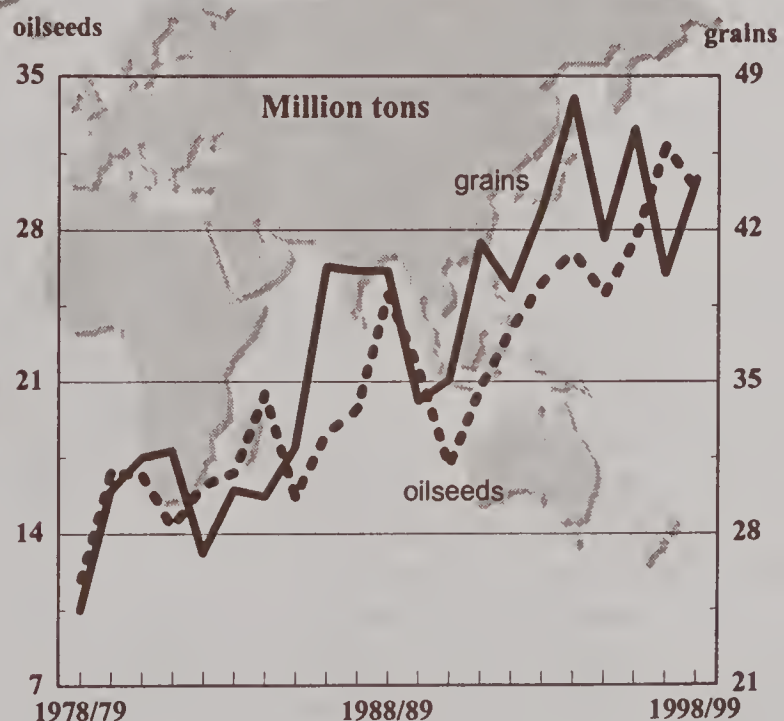
## Brazilian Grain Area Expands; Oilseed Stable

- **Oilseeds**
  - Area steady due to weaker prices
  - Soybeans nearly equal to 1997/98 record
  - Cottonseed steadies after declining trend
- **Grains**
  - Long-term area decline reversed
  - Wheat lower, while corn higher for 1998/99
  - Corn area up due to relatively high prices



## Brazilian Oilseed Output Declines, Grain Rises

- **Oilseeds**
  - Production declines after trending higher
  - Soybeans nearly triples in 20 years, but dips following record area and yield
- **Grains**
  - Output expands due to area increases
  - Corn over 30 percent above 10 years ago
  - Wheat below last season
  - Rice yield stable



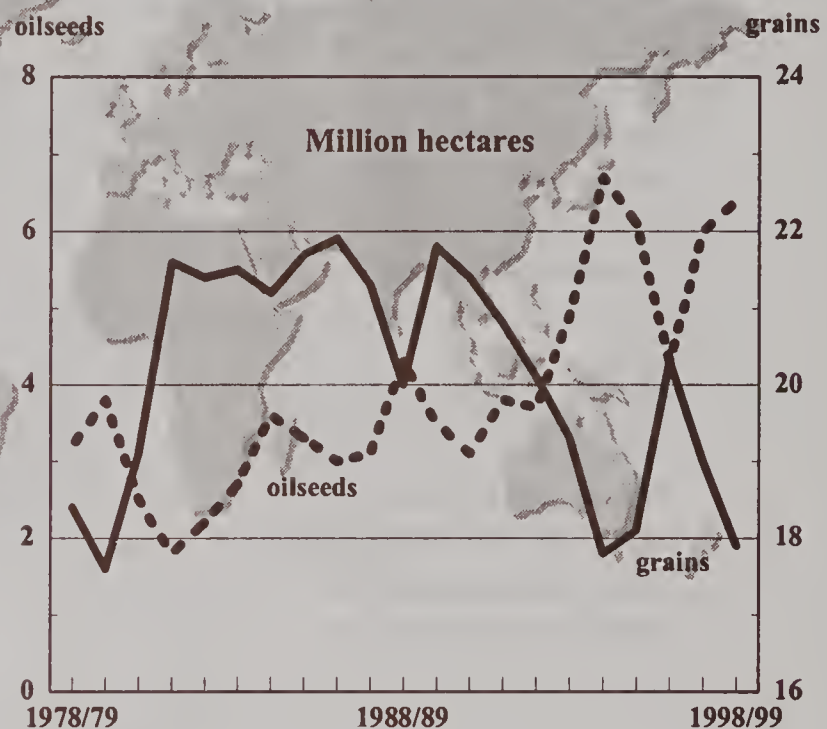
## Canadian Grain Area Lower; Oilseed Higher

### ■ Oilseeds

- Area trended higher, recent volatility
- Rapeseed expands, very responsive to relative barley and wheat returns
- Soybean lower

### ■ Grains

- Weak wheat prices pressure area
- Wheat and barley decreases due to rotation and higher rapeseed prices
- Durum area record high



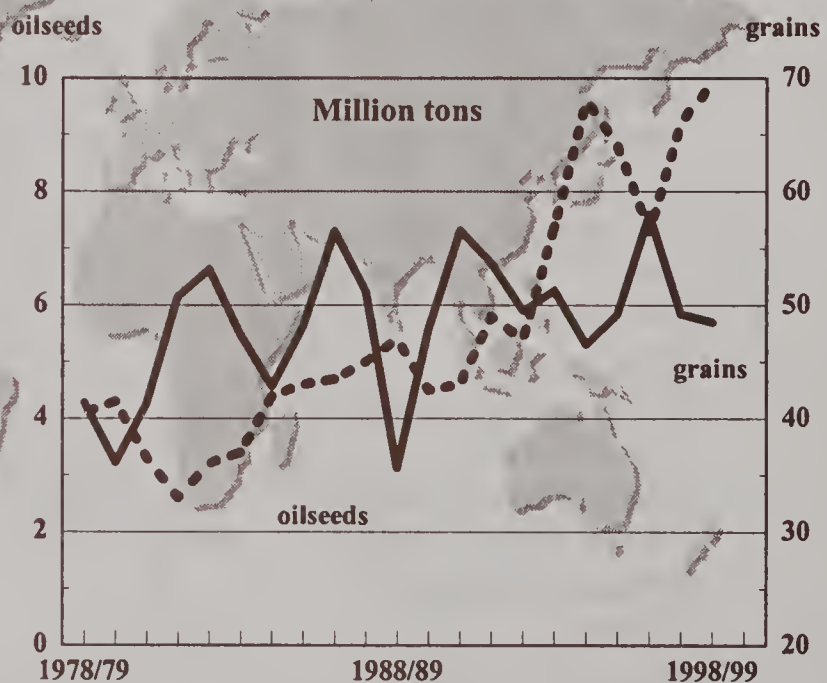
## Canadian Grain Output Lower, Oilseed Higher

### ■ Oilseeds

- Output increase encouraged by greater crush capacity
- Rapeseed increase due to higher area
- Soybean declines due to lower area

### ■ Grains

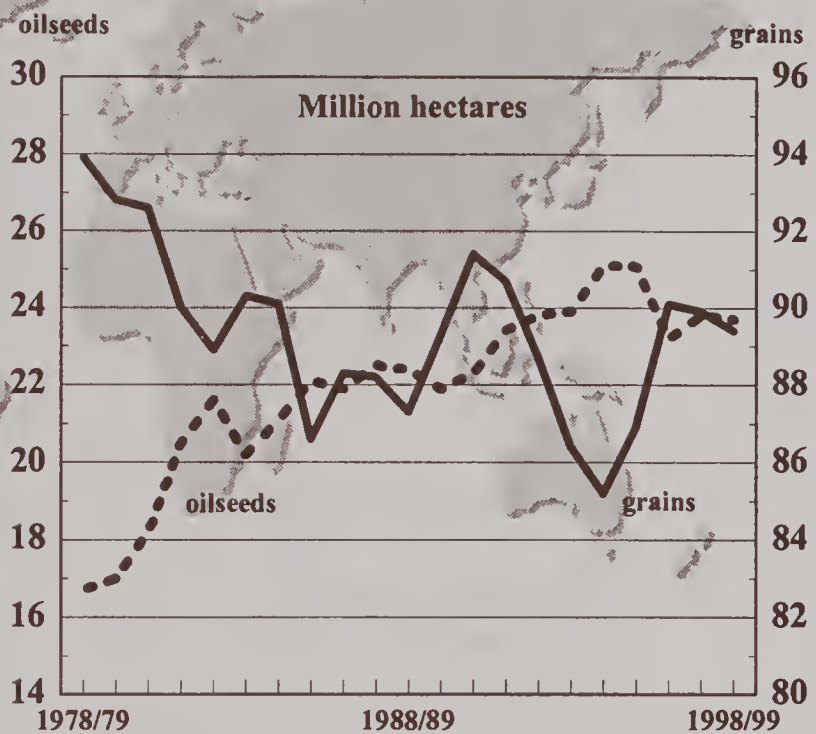
- Total-grain output down due to area loss and average yield
- Barley and wheat down due to demand, rotation, and weather
- Oats and corn higher





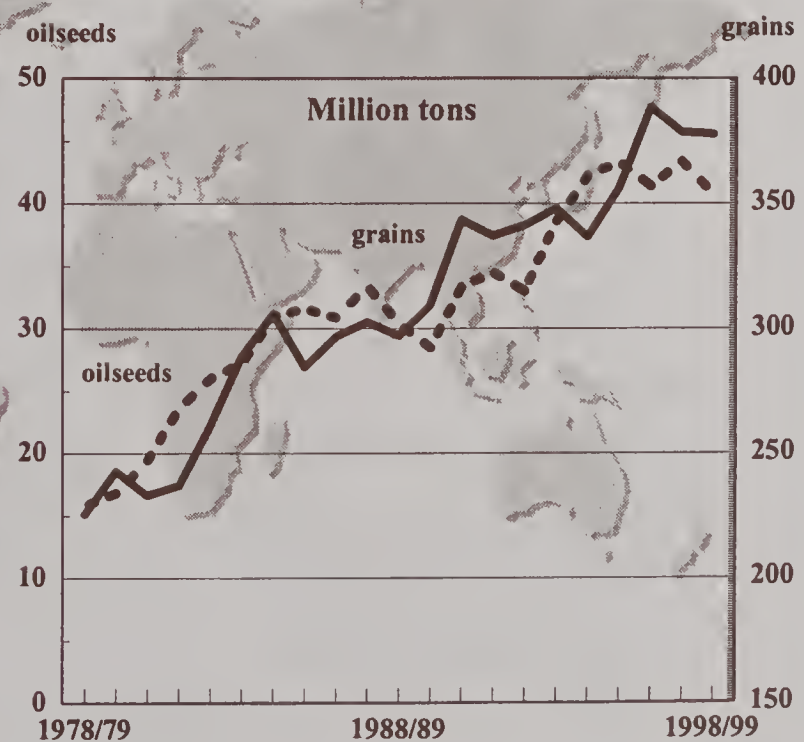
## Chinese Oilseed Area Stable, Grain Decreases

- **Oilseeds**
  - Area stable
  - Soybeans decline after jump in 1993/94
  - Rapeseed and peanuts up from last season
- **Grains**
  - Area declines slightly
  - Corn second highest due to demand
  - Wheat near 1997/98 level
  - Rice down due mostly to flooding



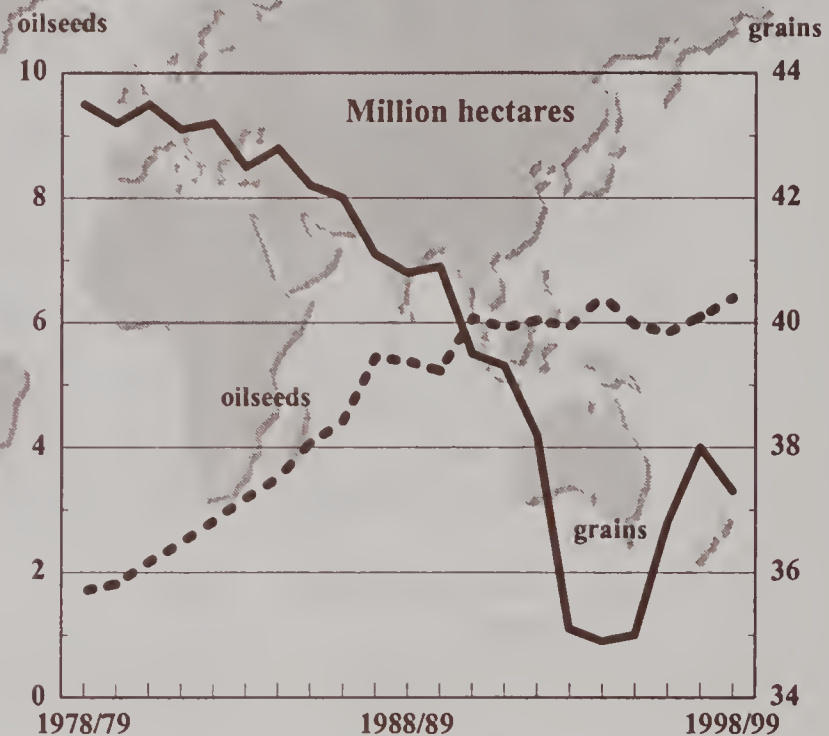
## Chinese Grain Output Stable, Oilseed Declines

- **Oilseeds**
  - Production down
  - Peanut area and yield increases
  - Winter rapeseed reduced by frost
  - Soybean area and yield decline
- **Grains**
  - Total-grain output near 1997/98 level
  - Corn rebounds from last year's drought
  - Wheat yield average
  - Rice output lower due to floods



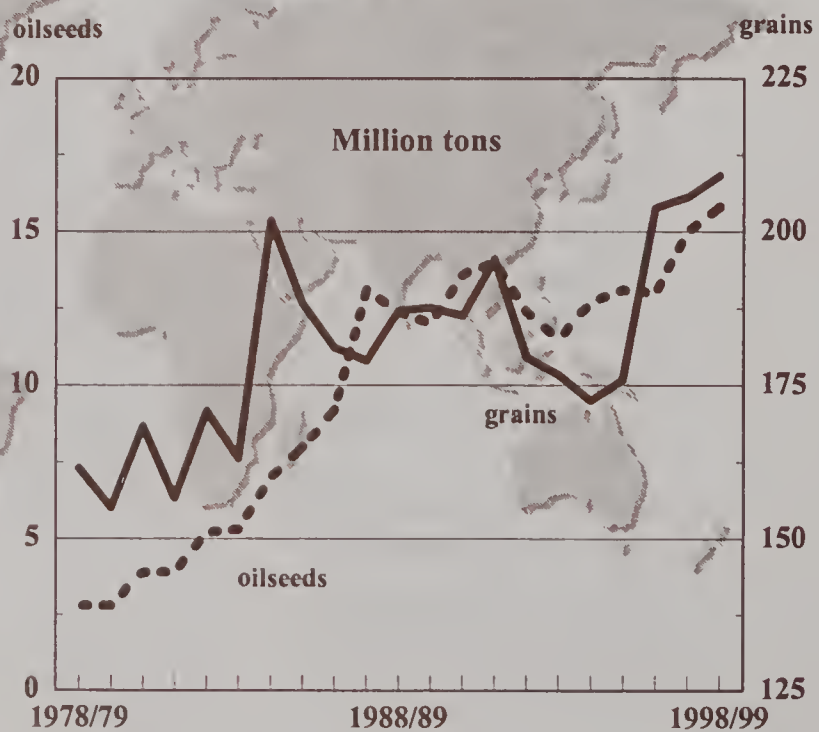
## EU Oilseed Area Grows, Grain Area Decreases

- **Oilseeds**
  - Area trended higher, but now stable
  - Cap Reform and Blair House Agreement constrain area after 1992
  - Rapeseed continues to trend higher on strong demand
- **Grains**
  - Area falls after recent gains
  - CAP Reform in early 1990's resulted in large area idled



## EU Oilseed and Grain Output at Record Level

- **Oilseeds**
  - Production trends higher, record level
  - Soybean and rapeseed increase this season, sunflowerseed declines
- **Grains**
  - Total-grain output at record level
  - Record yield pushes wheat to record level
  - Coarse grain slightly below 1997/98 record crop





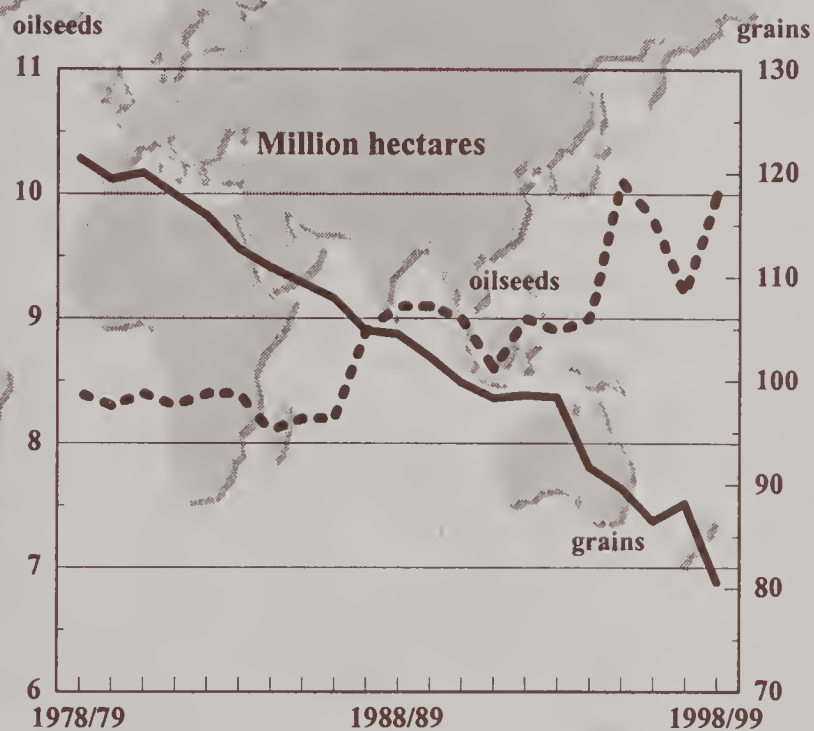
## FSU Grain Area Declines, Oilseed Rises

### ■ Oilseeds

- Area rebounds on strong demand for sunflowerseed
- Cottonseed down in last 10 years

### ■ Grains

- Area declines due to poor weather and land diversion
- Barley reduced substantially
- Feed demand continues to drop as livestock and poultry numbers decline



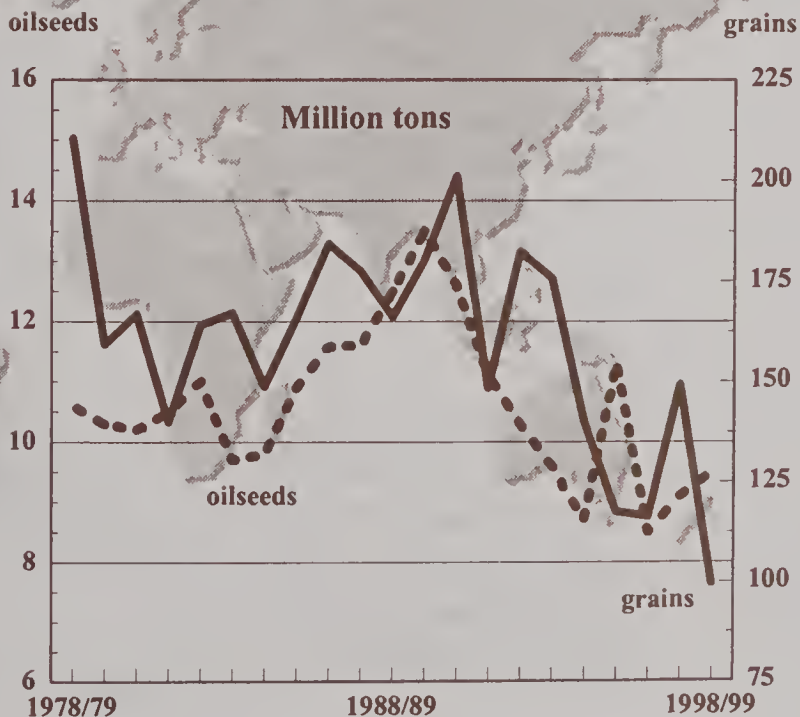
## FSU Grain Output Decreases, Oilseed Increases

### ■ Oilseeds

- Sunflowerseed up due to increased area
- Production decreased in the last 10 years due to declining yield

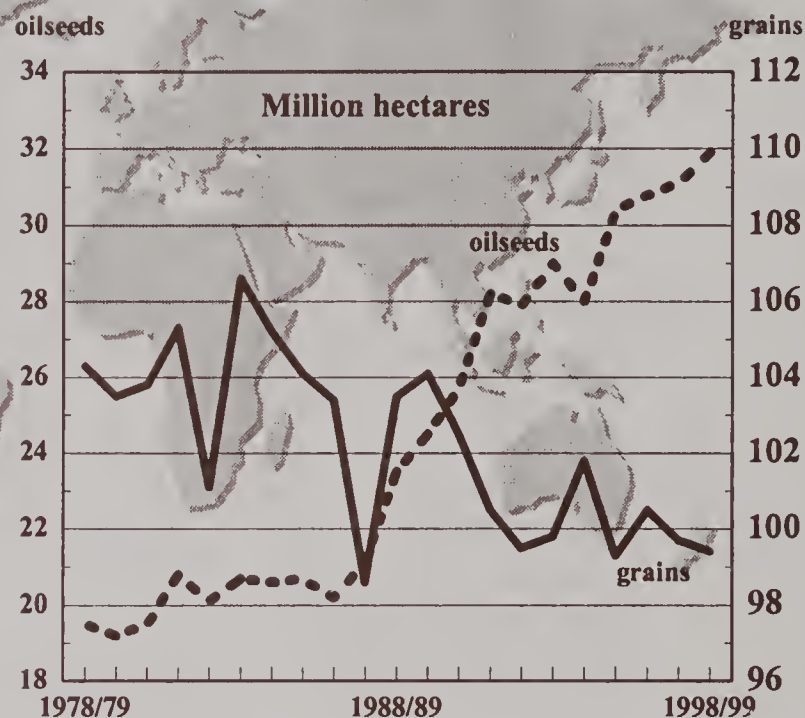
### ■ Grains

- Total-grain output falls sharply
- Russian and Kazakhstan grain harvests drops to worst in past 40 years
- Yield decreases due to unfavorable hot, dry weather



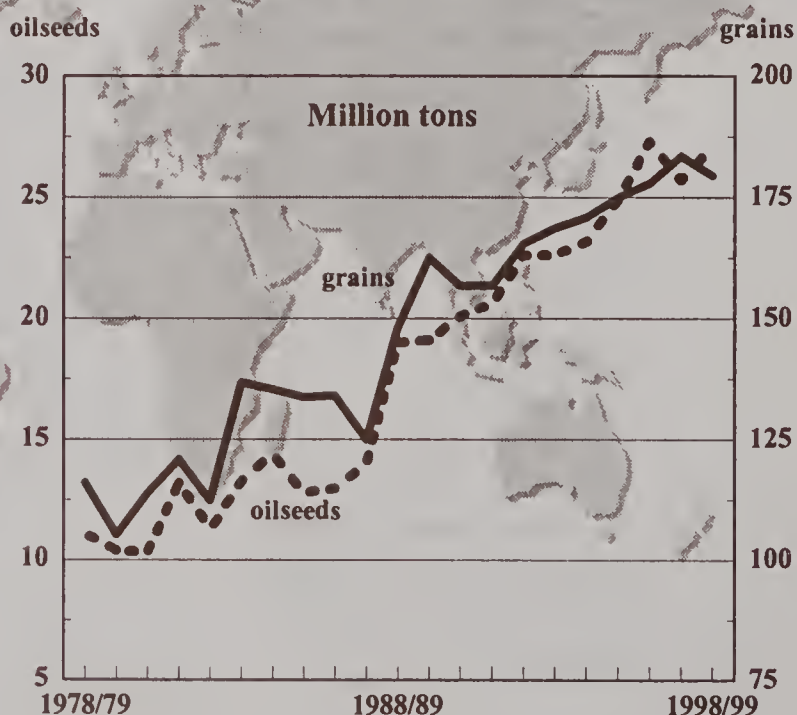
## Indian Oilseed Area Climbs, Grain Decreases

- **Oilseeds**
  - Area continues to trend higher
  - Strong incentives continue to boost area
  - Soybean more than triples in 10 years
  - Rapeseed and peanut relatively stable
- **Grains**
  - Area down slightly
  - Wheat down from 1997/98, but near-record level
  - Rice stable, increase offsets coarse grain decline



## Indian Grain Production Lower, Oilseed Higher

- **Oilseeds**
  - Output trends higher; 10 successive favorable monsoons
  - Total-oilseed spurred by trend of higher area and increasing demand
- **Grains**
  - Production falls for first time in 7 years
  - Wheat slightly below last season's record
  - Coarse grain similar to 1997/98, rice lower





## CENTRAL AND EAST AFRICA GRAIN PRODUCTION

Total-grain production in Central and East Africa for 1998/99 is forecast at 25.3 million tons, up from 22.8 million in 1997/98. Area harvested in 1998/99 is forecast at 25.0 million hectares, slightly down from 25.1 million in 1997/98. Central and East Africa, for the purpose of this article, include the following countries: Burundi; Cameroon; Central African Republic; Ethiopia; Kenya; Rwanda; Somalia; Sudan; Tanzania; Uganda; and, Zaire.

In 1998/99, Central Africa had abundant and widespread rain; however, in Zaire renewed civil disturbances, impeded normal agriculture and marketing activities. In East Africa, the 1998/99 had a mixed growing season. Abundant rains in August, improved grain prospects for most countries. Increased output is forecast for Kenya and Ethiopia. In Sudan, heavy rains at the beginning of September resulted in floods causing some crop damage, but generally benefitted grains stressed by earlier dryness. In Burundi, Rwanda, Tanzania, and Uganda, production is expected to recover substantially from the previous year. In Somalia, the grain crop was sharply reduced, due to dry weather and reduced planting.

Burundi: Total-grain production in Burundi for 1998/99 is forecast at 0.2 million tons, down from 0.3 million in 1997/98. Area harvested in 1998/99 is forecast at 0.2 million hectares, virtually unchanged from the previous year. The main grain crops produced are corn and sorghum forecast at 0.2 million tons and 60,000 tons, respectively. Rainfall was adequate and well distributed except in localized areas of the northern and eastern sections of the country. Crop growth and development was considered normal, but yields were constrained by poor seed quality and lack of fertilizers.

Cameroon: In Cameroon, total-grain production for 1998/99 is forecast at 1.0 million tons, down from 1.1 million in 1997/98. Area harvested in 1998/99 is forecast at 0.9 million hectares, nearly the same as last year. The main grain crops produced are corn and millet forecast at 0.6 million and 0.4 million tons, respectively. The rains were abundant and widespread in April and May, decreased somewhat in June, but remained widespread through August. The crops are forecast at a near average yield.

Central African Republic: Total-grain production in the Central African Republic for 1998/99 is forecast at 0.1 million tons, nearly the same as last year. Area harvested in 1998/99 is forecast at 0.1 million hectares, virtually the same as 1997/98. The main grain crops produced are corn and millet forecast at 60,000 tons and 35,000 tons, respectively. Crop conditions were satisfactory due to abundant and widespread rains.

Ethiopia: In Ethiopia, total-grain production for 1998/99 is forecast at 8.3 million tons, up from 7.0 million in 1997/98. Area harvested in 1998/99 is forecast at 6.8 million hectares, up from 6.6 million in 1997/98. The main grain crops produced are barley, corn, sorghum, and wheat and are forecast at 1.5 million, 3.0 million, 1.7 million, and 1.8 million tons, respectively. There are two growing seasons in Ethiopia: the main (Mehr) season and the minor (Belg) season. Abundant rains benefitted the crops in the Mehr season, especially in parts of Ahmara, Tigray, and eastern Oromiya where precipitation had been insufficient. Overall prospects from late-October are favorable. The Mehr season accounts for over 90 percent of annual production. The Belg harvest is forecast to be reduced due to a prolonged dry spell and pest infestation early in the season.

Kenya: In Kenya, total-grain production for 1998/99 is forecast at 3.2 million tons, up from 2.9 million in 1997/98. Area harvested in 1998/99 is forecast at 2.1 million hectares, virtually unchanged from 1997/98. The main grain crops produced are corn, sorghum, and wheat and are forecast at 2.6 million, 0.1 million, and 0.3 million tons, respectively. Above average rains have benefitted the grain crops of the 1998/99 main "long rains" season during July and August. The outlook for this harvest appears promising, but production will still not cover consumption needs because of the increased population.

Rwanda: Total-grain production in Rwanda for 1998/99 is forecast at 0.2 million tons, unchanged from last year. Area harvested in 1998/99 is forecast at 0.2 million hectares, nearly unchanged from 1997/98. The main grain crops produced are corn and sorghum and are forecast at 80,000 tons and 0.1 million tons, respectively. Rwanda had an improved harvest for 1998/99 due to substantial rains in May and June that benefitted crops and an increase in planted area. However, production has been reduced in Gikongoro and civil strife is still affecting production in the northwestern prefectures of Gitarama, Ruhengeri, and Gisenyi.

Somalia: Total-grain production in Somalia for 1998/99 is forecast at 0.3 million tons, nearly unchanged from last year. Area harvested in 1998/99 is forecast at 0.6 million hectares, down from 0.8 million in 1997/98. Corn and sorghum are each forecast at 0.1 million tons. The 1998 "Gu" season crops were severely affected by prolonged dry weather and late rains at the end of June did not improve conditions. The overall outcome of the main "Gu" season is forecast to be sharply reduced. Also, civil unrest contributed to the reduction in planting.

Sudan: In Sudan, total-grain production for

1998/99 is forecast at 4.9 million tons, up from 4.7 million in 1997/98. Area harvested in 1998/99 is forecast at 7.6 million hectares, down from 8.3 million in 1997/98. The main grain crops produced are millet, sorghum, and wheat forecast at 0.6 million, 3.7 million, and 0.6 million tons, respectively. Overall crop prospects are favorable with abundant rains in July, but the situation varies according to area. Rain which normally begins in late-March in the southern most areas were delayed a month resulting in planting reductions in the first season. Erratic rains in most areas in May and June caused prolonged dry periods coupled with heavy rains and floods in some parts. The dry weather led to crop losses of early planted crops and floods destroyed crops in other areas. Crop conditions improved in July and an above-average production is forecast.

Tanzania: In Tanzania, total-grain production for 1998/99 is forecast at 3.8 million tons, up from 3.4 million in 1997/98. Area harvested in 1998/99 is forecast at 3.3 million hectares, up from 3.0 million in 1997/98. The main grain crops produced are corn, rice, and sorghum forecast at 2.6 million, 0.6 million, and 0.4 million tons, respectively. Although, total-grain production is forecast up, only corn has increased above last year's level. Abundant rains this year encouraged farmers to expand the total area planted over last year. Millet and sorghum area declined as producers switched to other crops, namely corn.

Uganda: Total-grain production in Uganda, for 1998/99 is forecast at 1.7 million tons, up from 1.6 million in 1997/98. Area harvested in 1998/99 is forecast at 1.2 million hectares, virtually unchanged from last year. The main grain crops produced are corn, millet, and sorghum forecast at 0.9 million, 0.5 million, and 0.4 million tons, respectively. In the 1998/99 first season, rains late in July and August hampered harvest operations, but provided good soil moisture for land



preparation for the second-season planting. Production for the first crop is considered to be good; however, there are regional variations. The second-season sowing was complete by early-October.

Zaire: In Zaire, total-grain production for 1998/99 is forecast at 1.4 million tons, up from 1.3 million in 1997/98. Area harvested in 1998/99 is forecast at 2.0 million hectares,

unchanged from 1997/98. The main crops produced are corn and rice forecast at 1.1 million and 0.3 million tons, respectively. Civil conflict, lack of inputs, and flooding during the first-crop season has constrained production potential. The intensified conflict will again hamper farming activities for the coming months.

---

Theresa Wright, Regional Analyst  
Telephone: (202) 720-8887  
E-mail: [wrightt@fas.usda.gov](mailto:wrightt@fas.usda.gov)

CHART 10

# Central and East Africa Grain Production

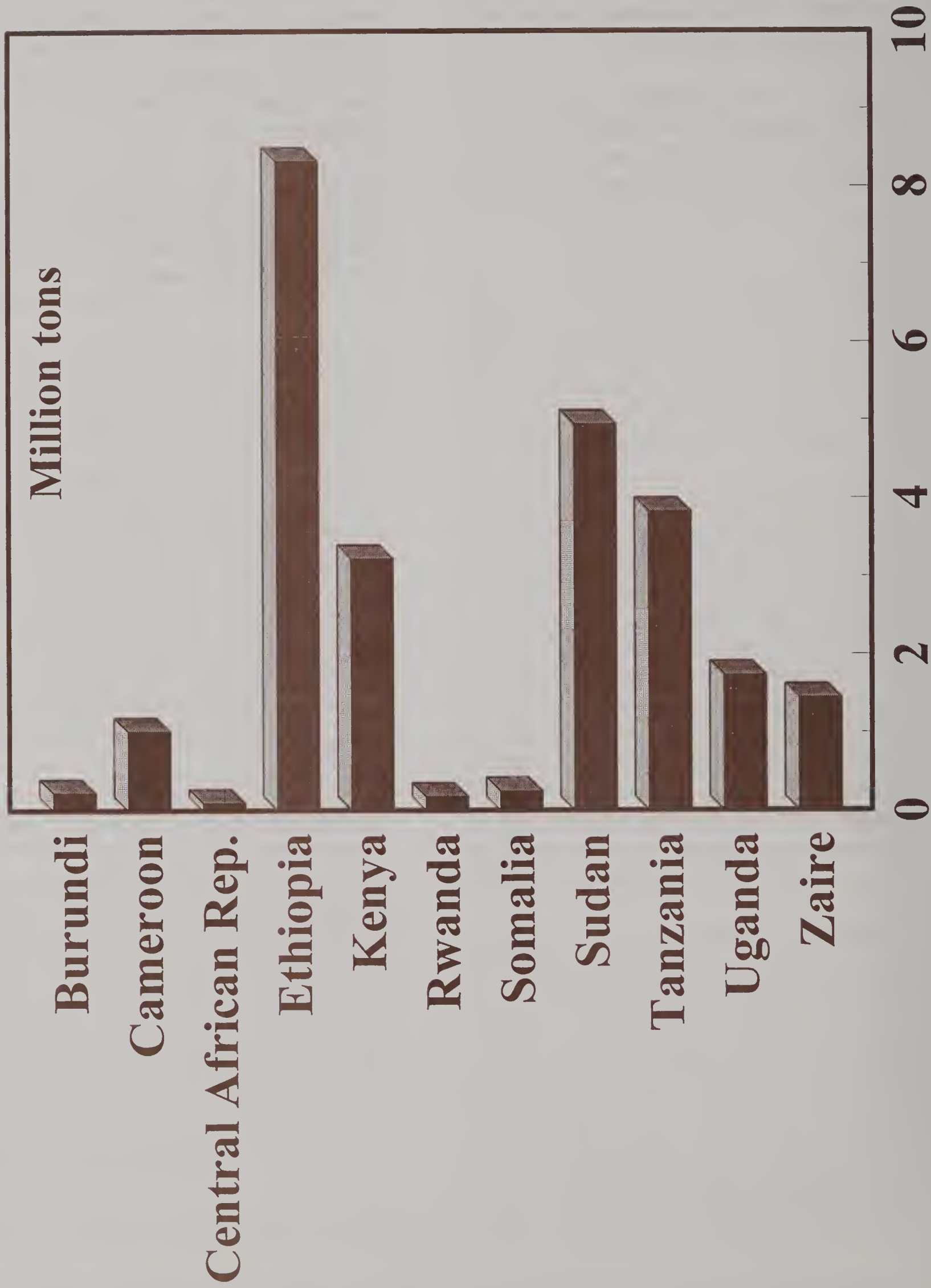




TABLE 20

CENTRAL AND EAST AFRICA: AREA, YIELD, AND PRODUCTION										
	1989/90	1990/91	1991/92	1992/93	1993/94	1994/95	1995/96	1996/97	1997/98	1998/99
Burundi										
Corn										
AREA (1,000 Ha)	145	175	180	124	120	100	120	110	115	120
YIELD (Mt/Ha)	1.03	1.09	1.06	1.44	1.42	1.25	1.25	1.32	1.39	1.33
PROD (1,000 Mt)	150	190	190	178	170	125	150	145	160	160
Millet										
AREA (1,000 Ha)	50	50	50	13	13	10	10	10	10	10
YIELD (Mt/Ha)	0.86	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PROD (1,000 Mt)	43	45	45	13	13	10	10	10	10	10
Sorghum										
AREA (1,000 Ha)	125	60	60	58	58	45	50	50	50	50
YIELD (Mt/Ha)	0.60	2.08	2.50	1.16	1.14	1.11	1.30	1.30	1.70	1.20
PROD (1,000 Mt)	75	125	150	67	66	50	65	65	85	60
Total Grains										
AREA (1,000 Ha)	320	285	290	195	191	155	180	170	175	180
YIELD (Mt/Ha)	0.84	1.26	1.33	1.32	1.30	1.19	1.25	1.29	1.46	1.28
PROD (1,000 Mt)	268	360	385	258	249	185	225	220	255	230
Cameroon										
Corn										
AREA (1,000 Ha)	450	434	452	380	450	450	400	400	375	400
YIELD (Mt/Ha)	1.00	0.96	1.10	1.13	0.96	0.96	1.63	1.88	1.60	1.38
PROD (1,000 Mt)	450	418	495	430	430	430	650	750	600	550
Millet										
AREA (1,000 Ha)	450	450	473	455	455	455	460	470	470	460
YIELD (Mt/Ha)	0.80	0.76	0.82	0.84	0.86	0.88	0.92	0.90	0.90	0.87
PROD (1,000 Mt)	360	342	389	380	390	400	425	425	425	400
Rice, Milled										
AREA (1,000 Ha)	36	35	35	35	35	35	40	40	40	40
YIELD (Mt/Ha)	1.94	1.89	1.89	1.66	1.66	1.77	1.63	1.63	1.63	1.63
PROD (1,000 Mt)	70	66	66	58	58	62	65	65	65	65
Total Grains										
AREA (1,000 Ha)	936	919	960	870	940	940	900	910	885	900
YIELD (Mt/Ha)	0.94	0.90	0.99	1.00	0.93	0.95	1.27	1.36	1.23	1.13
PROD (1,000 Mt)	880	826	950	868	878	892	1,140	1,240	1,090	1,015

TABLE 20 CONTINUED

CENTRAL AND EAST AFRICA: AREA, YIELD, AND PRODUCTION										
	1989/90	1990/91	1991/92	1992/93	1993/94	1994/95	1995/96	1996/97	1997/98	1998/99
Central Afr. Rep.										
Corn										
AREA (1,000 Ha)	130	128	132	65	70	70	80	90	80	80
YIELD (Mt/Ha)	0.50	0.50	0.50	0.92	0.83	0.86	0.88	0.83	0.75	0.75
PROD (1,000 Mt)	65	64	66	60	58	60	70	75	60	60
Millet										
AREA (1,000 Ha)	90	89	92	50	50	50	50	50	60	55
YIELD (Mt/Ha)	0.67	0.66	0.68	0.66	0.70	0.50	0.70	0.70	0.67	0.64
PROD (1,000 Mt)	60	59	63	33	35	25	35	35	40	35
Total Grains										
AREA (1,000 Ha)	220	217	224	115	120	120	130	140	140	135
YIELD (Mt/Ha)	0.57	0.57	0.58	0.81	0.78	0.71	0.81	0.79	0.71	0.70
PROD (1,000 Mt)	125	123	129	93	93	85	105	110	100	95
Ethiopia										
Barley										
AREA (1,000 Ha)	930	950	900	925	950	1250	1150	1450	1500	1500
YIELD (Mt/Ha)	1.23	1.25	1.20	1.41	1.05	1.10	1.26	1.10	1.00	1.00
PROD (1,000 Mt)	1,142	1,188	1,080	1,300	1,000	1,375	1,450	1,600	1,500	1,500
Corn										
AREA (1,000 Ha)	1,060	1,150	1,050	1,050	1,000	1,550	1,500	1,950	1,850	1,900
YIELD (Mt/Ha)	1.78	1.74	1.70	1.57	1.70	1.42	1.87	1.64	1.19	1.58
PROD (1,000 Mt)	1,888	2,000	1,785	1,650	1,700	2,200	2,800	3,200	2,200	3,000
Millet										
AREA (1,000 Ha)	200	180	230	230	260	225	325	425	300	325
YIELD (Mt/Ha)	0.78	0.74	0.83	1.09	1.08	1.00	0.85	0.94	1.00	1.00
PROD (1,000 Mt)	155	133	190	250	280	225	275	400	300	325
Sorghum										
AREA (1,000 Ha)	850	870	950	925	925	1,250	1,300	1,850	1,450	1,600
YIELD (Mt/Ha)	1.29	1.13	1.05	1.41	1.24	1.00	1.31	1.08	0.90	1.06
PROD (1,000 Mt)	1,100	984	1,000	1,300	1,150	1,250	1,700	2,000	1,300	1,700
Wheat										
AREA (1,000 Ha)	666	660	725	725	752	900	1,100	1,450	1,450	1,500
YIELD (Mt/Ha)	1.25	1.24	1.23	1.24	1.20	1.44	1.50	1.38	1.17	1.20
PROD (1,000 Mt)	833	816	890	900	900	1,300	1,650	2,000	1,700	1,800
Total Grains										
AREA (1,000 Ha)	3,706	3,810	3,855	3,855	3,887	5,175	5,375	7,125	6,550	6,825
YIELD (Mt/Ha)	1.38	1.34	1.28	1.40	1.29	1.23	1.47	1.29	1.07	1.22
PROD (1,000 Mt)	5,118	5,121	4,945	5,400	5,030	6,350	7,875	9,200	7,000	8,325



TABLE 20 CONTINUED

CENTRAL AND EAST AFRICA: AREA, YIELD, AND PRODUCTION										
	1989/90	1990/91	1991/92	1992/93	1993/94	1994/95	1995/96	1996/97	1997/98	1998/99
Kenya										
Barley										
AREA (1,000 Ha)	85	85	85	85	85	85	85	85	85	85
YIELD (Mt/Ha)	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06
PROD (1,000 Mt)	90	90	90	90	90	90	90	90	90	90
Corn										
AREA (1,000 Ha)	1,815	1,775	1,725	1,750	1,740	1,740	1,750	1,500	1,575	1,650
YIELD (Mt/Ha)	1.56	1.24	1.45	1.46	1.01	1.71	1.49	1.44	1.43	1.58
PROD (1,000 Mt)	2,836	2,200	2,500	2,561	1,755	2,970	2,600	2,160	2,250	2,600
Millet										
AREA (1,000 Ha)	85	85	85	125	85	100	90	90	100	100
YIELD (Mt/Ha)	0.82	0.82	0.76	0.56	0.82	0.75	0.78	0.67	0.70	0.70
PROD (1,000 Mt)	70	70	65	70	70	75	70	60	70	70
Rice, Milled										
AREA (1,000 Ha)	12	13	13	13	10	20	15	15	15	15
YIELD (Mt/Ha)	2.08	2.08	2.15	2.23	2.00	1.75	2.00	2.00	2.00	2.00
PROD (1,000 Mt)	25	27	28	29	20	35	30	30	30	30
Sorghum										
AREA (1,000 Ha)	146	150	150	150	150	160	150	150	150	150
YIELD (Mt/Ha)	0.98	0.93	0.87	0.90	0.90	0.94	0.93	1.00	0.93	0.93
PROD (1,000 Mt)	143	140	130	135	135	150	140	150	140	140
Wheat										
AREA (1,000 Ha)	110	102	105	100	100	120	130	140	150	145
YIELD (Mt/Ha)	2.14	1.92	2.10	2.00	1.50	1.95	2.28	2.06	2.33	2.07
PROD (1,000 Mt)	235	196	220	200	150	234	297	288	350	300
Total Grains										
AREA (1,000 Ha)	2,253	2,210	2,163	2,223	2,170	2,225	2,220	1,980	2,075	2,145
YIELD (Mt/Ha)	1.51	1.23	1.40	1.39	1.02	1.60	1.45	1.40	1.41	1.51
PROD (1,000 Mt)	3,399	2,723	3,033	3,085	2,220	3,554	3,227	2,778	2,930	3,230
Rwanda										
Corn										
AREA (1,000 Ha)	80	90	90	80	50	40	50	60	70	60
YIELD (Mt/Ha)	1.18	1.22	1.00	1.36	1.48	1.50	1.50	1.17	1.14	1.33
PROD (1,000 Mt)	94	110	90	109	74	60	75	70	80	80
Millet										
AREA (1,000 Ha)	5	5	5	5	5	5	5	5	5	5
YIELD (Mt/Ha)	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
PROD (1,000 Mt)	4	4	4	4	4	4	4	4	4	4
Sorghum										
AREA (1,000 Ha)	170	140	160	150	100	80	75	75	95	95
YIELD (Mt/Ha)	0.96	1.11	1.00	1.03	1.10	1.06	1.00	1.33	1.37	1.05
PROD (1,000 Mt)	164	155	160	154	110	85	75	100	130	100
Total Grains										
AREA (1,000 Ha)	255	235	255	235	155	125	130	140	170	160
YIELD (Mt/Ha)	1.03	1.14	1.00	1.14	1.21	1.19	1.18	1.24	1.26	1.15
PROD (1,000 Mt)	262	269	254	267	188	149	154	174	214	184

TABLE 20 CONTINUED

CENTRAL AND EAST AFRICA: AREA, YIELD, AND PRODUCTION										
	1989/90	1990/91	1991/92	1992/93	1993/94	1994/95	1995/96	1996/97	1997/98	1998/99
Somalia										
Corn										
AREA (1,000 Ha)	230	200	125	100	80	100	150	200	250	200
YIELD (Mt/Ha)	1.09	1.10	1.00	1.00	0.99	1.00	1.00	0.80	0.60	0.63
PROD (1,000 Mt)	250	220	125	100	79	100	150	160	150	125
Rice, Milled										
AREA (1,000 Ha)	6	5	5	4	2	2	2	2	3	2
YIELD (Mt/Ha)	1.33	1.40	1.40	2.50	1.50	1.50	1.50	1.50	1.67	2.00
PROD (1,000 Mt)	8	7	7	10	3	3	3	3	5	4
Sorghum										
AREA (1,000 Ha)	500	480	250	300	280	300	400	450	500	400
YIELD (Mt/Ha)	0.51	0.52	0.50	0.31	0.29	0.42	0.35	0.33	0.33	0.31
PROD (1,000 Mt)	255	250	125	92	80	125	140	150	165	125
Total Grains										
AREA (1,000 Ha)	736	685	380	404	362	402	552	652	753	602
YIELD (Mt/Ha)	0.70	0.70	0.68	0.50	0.45	0.57	0.53	0.48	0.42	0.42
PROD (1,000 Mt)	513	477	257	202	162	228	293	313	320	254
Sudan										
Millet										
AREA (1,000 Ha)	1,200	950	1,150	1,250	1,000	2,500	2,400	1,800	2,300	2,300
YIELD (Mt/Ha)	0.21	0.12	0.25	0.30	0.23	0.39	0.17	0.25	0.28	0.26
PROD (1,000 Mt)	250	112	290	375	230	970	400	450	650	600
Rice, Milled										
AREA (1,000 Ha)	7	7	7	7	7	7	7	7	7	7
YIELD (Mt/Ha)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PROD (1,000 Mt)	7	7	7	7	7	7	7	7	7	7
Sorghum										
AREA (1,000 Ha)	4,000	3,000	4,200	6,200	4,700	6,400	5,000	6,600	5,700	5,000
YIELD (Mt/Ha)	0.45	0.50	0.80	0.65	0.51	0.58	0.49	0.64	0.60	0.74
PROD (1,000 Mt)	1,800	1,500	3,360	4,050	2,400	3,700	2,450	4,200	3,400	3,700
Wheat										
AREA (1,000 Ha)	275	350	300	300	328	357	280	315	330	300
YIELD (Mt/Ha)	1.49	1.43	2.77	2.92	1.37	1.33	1.61	1.75	1.94	2.13
PROD (1,000 Mt)	410	500	831	875	450	475	450	550	640	640
Total Grains										
AREA (1,000 Ha)	5,482	4,307	5,657	7,757	6,035	9,264	7,687	8,722	8,337	7,607
YIELD (Mt/Ha)	0.45	0.49	0.79	0.68	0.51	0.56	0.43	0.60	0.56	0.65
PROD (1,000 Mt)	2,467	2,119	4,488	5,307	3,087	5,152	3,307	5,207	4,697	4,947



TABLE 20 CONTINUED

CENTRAL AND EAST AFRICA: AREA, YIELD, AND PRODUCTION										
	1989/90	1990/91	1991/92	1992/93	1993/94	1994/95	1995/96	1996/97	1997/98	1998/99
Tanzania										
Corn										
AREA (1,000 Ha)	1,950	1,630	1,850	1,700	1,600	1,650	1,655	1,650	1,625	2,000
YIELD (Mt/Ha)	1.59	1.49	1.24	1.31	1.44	1.30	1.55	1.61	1.29	1.30
PROD (1,000 Mt)	3,100	2,430	2,300	2,220	2,300	2,150	2,570	2,650	2,100	2,600
Millet										
AREA (1,000 Ha)	360	225	250	280	300	200	375	390	350	200
YIELD (Mt/Ha)	0.83	0.76	0.90	0.89	1.00	1.25	1.07	0.95	1.00	0.75
PROD (1,000 Mt)	300	170	225	250	300	250	400	370	350	150
Rice, Milled										
AREA (1,000 Ha)	410	345	360	300	370	420	478	470	370	500
YIELD (Mt/Ha)	1.16	1.33	1.13	0.85	1.12	0.95	0.98	1.01	0.97	1.10
PROD (1,000 Mt)	475	460	405	255	415	400	470	475	360	550
Sorghum										
AREA (1,000 Ha)	765	520	550	650	675	600	690	690	625	500
YIELD (Mt/Ha)	0.65	0.77	0.95	0.92	0.93	0.75	1.22	0.87	0.8	0.85
PROD (1,000 Mt)	500	400	525	600	625	450	840	600	500	425
Wheat										
AREA (1,000 Ha)	54	52	50	45	40	42	55	60	35	75
YIELD (Mt/Ha)	1.76	2.02	1.70	1.44	1.50	1.31	1.36	1.42	1.29	1.33
PROD (1,000 Mt)	95	105	85	65	60	55	75	85	45	100
Total Grains										
AREA (1,000 Ha)	3,539	2,772	3,060	2,975	2,985	2,912	3,253	3,260	3,005	3,275
YIELD (Mt/Ha)	1.26	1.29	1.16	1.14	1.24	1.13	1.34	1.28	1.12	1.17
PROD (1,000 Mt)	4,470	3,565	3,540	3,390	3,700	3,305	4,355	4,180	3,355	3,825
Uganda										
Corn										
AREA (1,000 Ha)	430	400	420	440	503	563	594	590	500	550
YIELD (Mt/Ha)	1.45	1.50	1.25	1.49	1.60	1.60	1.60	1.53	1.50	1.55
PROD (1,000 Mt)	625	600	525	657	804	900	950	900	750	850
Millet										
AREA (1,000 Ha)	335	375	385	396	404	412	425	400	400	400
YIELD (Mt/Ha)	1.52	1.49	1.49	1.60	1.51	1.48	1.58	1.13	1.25	1.25
PROD (1,000 Mt)	510	560	575	634	610	610	670	450	500	500
Sorghum										
AREA (1,000 Ha)	250	240	245	250	250	260	265	270	250	260
YIELD (Mt/Ha)	1.60	1.50	1.47	1.50	1.52	1.50	1.51	1.48	1.20	1.50
PROD (1,000 Mt)	400	360	360	375	380	390	400	400	300	390
Total Grains										
AREA (1,000 Ha)	1015	1015	1050	1086	1157	1235	1284	1260	1150	1210
YIELD (Mt/Ha)	1.51	1.50	1.39	1.53	1.55	1.54	1.57	1.39	1.35	1.44
PROD (1,000 Mt)	1,535	1,520	1,460	1,666	1,794	1,900	2,020	1,750	1,550	1,740

TABLE 20 CONTINUED

CENTRAL AND EAST AFRICA: AREA, YIELD, AND PRODUCTION										
	1989/90	1990/91	1991/92	1992/93	1993/94	1994/95	1995/96	1996/97	1997/98	1998/99
Zaire										
Corn										
AREA (1,000 Ha)	1,100	1,050	1,100	1,297	1,300	1,454	1,400	1,350	1,300	1,350
YIELD (Mt/Ha)	0.71	0.74	0.80	0.81	0.92	0.83	0.79	0.81	0.77	0.81
PROD (1,000 Mt)	786	775	880	1,052	1,200	1,200	1,100	1,100	1,000	1,100
Millet										
AREA (1,000 Ha)	83	80	80	90	90	80	80	80	85	85
YIELD (Mt/Ha)	0.87	0.8	0.8	0.94	0.94	1.13	1.13	1.13	1	1
PROD (1,000 Mt)	72	64	64	85	85	90	90	90	85	85
Rice, Milled										
AREA (1,000 Ha)	300	290	285	500	500	500	550	590	500	550
YIELD (Mt/Ha)	0.55	0.54	0.95	0.53	0.55	0.50	0.46	0.44	0.42	0.45
PROD (1,000 Mt)	165	157	270	264	275	248	255	260	210	250
Wheat										
AREA (1,000 Ha)	9	9	9	9	9	10	10	10	10	10
YIELD (Mt/Ha)	1.67	1.67	1.67	0.78	0.78	0.70	0.70	1.50	1.00	1.00
PROD (1,000 Mt)	15	15	15	7	7	7	7	15	10	10
Total Grains										
AREA (1,000 Ha)	1,492	1,429	1,474	1,896	1,899	2,044	2,040	2,030	1,895	1,995
YIELD (Mt/Ha)	0.70	0.71	0.83	0.74	0.83	0.76	0.71	0.72	0.69	0.72
PROD (1,000 Mt)	1,038	1,011	1,229	1,408	1,567	1,545	1,452	1,465	1,305	1,445
Central & East Africa										
Total Grains										
AREA (1,000 Ha)	19,954	17,884	19,368	21,611	19,901	24,597	23,751	26,389	25,135	25,034
YIELD (Mt/Ha)	1.01	1.01	1.07	1.02	0.95	0.95	1.02	1.01	0.91	1.01
PROD (1,000 Mt)	20,075	18,114	20,670	21,944	18,968	23,345	24,153	26,637	22,816	25,290



## WORLD PALM OIL PRODUCTION

World production of palm oil has been increasing dramatically. Projected at 17.7 million tons in 1998/99, production is up 28 percent over the last 5 years and up 86 percent in the last 10. World production is dominated by two countries in the Southeast Asia region: Malaysia, which produced an estimated 50 percent of world output in 1997/98, and Indonesia, which produced 30 percent. Global output is estimated to have declined 4 percent in 1997/98, to 16.9 million tons, due to dry weather, haze from forest fires, and a downturn in yield due to the normal biological cycle of palm oil trees in key countries. Expansion of output is forecast to resume in 1998/99, but yield will still be low due to the latent effects of dry conditions which existed throughout much of calendar year 1997. The major impact of moisture stress on palm oil production is often observed 18 to 24 months after dry conditions occur.

Output of palm oil in Malaysia in 1996/97 reached a record 9.0 million tons; however, the situation was not as favorable in 1997/98. Despite continued expansion of fruit-bearing area, overall yield equivalent (MHE) dropped due to the dry weather and to an "off-year" in the trees' production cycle. A modest recovery from 8.5 million tons in 1997/98 to 8.8 million is forecast in 1998/99 with most of the rise likely in the second half of the year. There remains a strong incentive for producing palm oil in Malaysia. Since palm oil is traded in U.S. currency, local plantation houses saw profits climb, and plantation stocks moved higher on the Malaysian stock market.

Indonesian palm oil production for 1997/98 is estimated to have declined by 7 percent to approximately 5.0 million tons due to lower yields. The yield reduction is attributed chiefly to the dry conditions which occurred in 1997 and also to the haze problem, caused by the

forest fires in areas of Kalimantan and Sumatra, which affected the photosynthesis process. Output is forecast to rebound to a record 5.5 million tons in 1998/99, based largely on the continued expansion in area.

The world's fifth largest producer, Thailand, also had dry conditions in calendar year 1997, causing a delayed downturn in yield and lower production. Output is forecast at 360,000 tons in 1998/99, down 23 percent from 1997/98. In the longer term, the palm oil industry continues its expansion as a greater number of palm trees reach full maturity.

Palm oil production is expected to increase steadily in Papua New Guinea. Output is estimated at 270,000 tons in 1997/98, up 37 percent from five years earlier. Output is forecast at 290,000 tons for 1998/99 based on the increasing trend and reports of further development efforts.

Palm oil production in western Africa has not increased as it has in other regions. Nigeria is the world's third largest producer but has continued to produce about 600,000 tons per year for the last decade. Despite Nigeria's enormous production potential, inconsistent government policy has continued to limit production.

Palm oil production in Cote d'Ivoire declined in 1996/97 due to drought conditions and initial problems of privatization. Production is forecast to resume its upward trend and reach 320,000 tons in 1998/99 as efficiency improves in the operations of the privatized companies.

Another western African country which has been increasing palm oil production is Cameroon. Output is estimated at 165,000 tons in 1998/99, up 83 percent from 5 years



ago. The Cameroon Development Corporation and a leading company in palm oil production have advertised internationally, promoting the Cameroon palm oil industry.

The Western Hemisphere's largest producer of palm oil is Colombia. It is the world's fourth largest producer and has shown a 95-percent increase in output in the last decade to 450,000 tons. Palm oil is the only oil-bearing crop in the country that has grown in production in the last decade, but crop expansion is slowing. Production grew at an annual average rate of more than 9 percent in the early 1990's, but is now growing at about 6 percent. The slower growth is due mainly to reduced planting activity and the maturation of trees. Investment in the sector has been hurt by the elimination of loan subsidies to producers as well as increasing insecurity in the countryside resulting from insurgent group activity.

There has been an upward trend in vegetable oil production over the past several years in Ecuador, mainly due to a rise in the production of palm oil. Palm oil now accounts for about 75 percent of the country's total edible oil production. Production of palm oil increased from 194,000 tons in 1994/95 to a forecast 250,000 tons in 1998/99.

The United States' neighbor to the south, Mexico, is a small producer of palm oil. A government program to expand production has been underfunded; nevertheless, output has increased from 2,000 tons to an estimated 20,000 tons for 1998/99 within the last decade.

---

Paul Provance, Oilseeds Chairman

Phone: (202) 720-0881

E-mail: provance@fas.usda.gov



TABLE 21

## WORLD PALM OIL PRODUCTION

(1,000 Metric tons)

	1988/89	1989/90	1990/91	1991/92	1992/93	1993/94	1994/95	1995/96	1996/97	1997/98 P	1998/99 F
Angola	40	40	40	40	40	40	40	40	40	40	40
Benin	37	35	35	35	35	35	35	35	35	35	35
Brazil	54	70	70	75	75	80	85	90	90	90	90
Cameroon	90	90	90	90	90	90	125	130	161	160	165
Colombia	231	232	250	295	321	330	370	387	410	440	450
Congo (Brazzaville)	15	15	15	15	15	15	15	15	16	17	17
Costa Rica	58	73	64	58	61	84	88	98	100	100	100
Cote d'Ivoire	203	275	278	281	293	296	286	304	285	300	320
Dominican Republic	9	9	10	12	13	14	17	19	19	20	21
Ecuador	121	132	124	138	140	166	194	220	200	225	250
Equatorial Guinea	5	5	5	5	5	5	5	5	5	5	5
Gabon	2	2	2	2	2	2	2	2	2	2	2
Gambia, The	2	3	2	2	2	2	2	2	2	2	2
Ghana	25	25	24	24	24	50	74	79	83	88	88
Guatemala	0	0	6	10	16	19	23	31	36	41	41
Guinea	45	45	45	45	45	45	45	45	45	45	45
Guinea-Bissau	3	3	3	3	3	3	3	3	3	3	3
Honduras	71	73	80	81	83	75	76	76	77	77	77
India	0	0	0	5	5	10	15	20	25	30	40
Indonesia	1,700	2,250	2,650	2,750	3,250	3,900	4,250	4,850	5,385	5,000	5,500
Liberia	40	35	35	35	35	35	36	8	10	10	10
Malaysia	5,636	6,412	6,031	6,222	7,125	7,100	7,771	8,264	9,005	8,500	8,800
Mexico	2	2	2	2	2	2	2	2	12	16	20
Nigeria	600	500	600	630	650	600	570	590	600	590	590
Papua New Guinea	116	127	142	171	197	212	223	236	248	270	290
Paraguay	5	5	5	5	5	5	5	5	5	5	5
Peru	24	25	23	25	25	30	29	29	30	30	30
Philippines	18	23	35	30	38	38	38	40	40	40	40
Sao Tome and Principe	1	1	1	1	1	1	1	1	1	1	1
Senegal	0	1	1	1	1	1	1	1	1	1	1
Sierra Leone	40	40	40	40	40	40	40	40	40	40	40
Solomon Islands	15	17	20	20	20	20	20	20	20	20	20
Thailand	155	175	200	220	240	265	300	370	400	470	360
Togo	20	20	20	20	20	20	20	20	20	20	20
Venezuela	4	6	7	9	16	24	24	24	24	24	24
Zaire	130	123	119	110	110	110	111	112	115	115	115
WORLD TOTAL	9,517	10,889	11,074	11,507	13,043	13,764	14,941	16,213	17,590	16,872	17,657

P-preliminary F-forecast

November 1998

Production Estimates and Crop Assessment Div., FAS, USDA



UNITED STATES DEPARTMENT OF AGRICULTURE  
FOREIGN AGRICULTURAL SERVICE  
1400 INDEPENDENCE AVENUE, SW  
WASHINGTON, DC 20250-1004

For questions concerning your subscription or change of address,  
PRINT OR TYPE the new address, including ZIP code and return this  
sheet to:

U.S. DEPARTMENT OF COMMERCE  
TECHNOLOGY ADMINISTRATION  
NATIONAL TECHNICAL INFORMATION SERVICE  
SPRINGFIELD, VA 22161

For questions or concerns on the data included in this publication,  
contact us at the address shown above.



Summaries and selected tables from many Foreign Agricultural Service world market and trade reports are available electronically. The reports include U.S. Export Sales (available electronically after 8:30 a.m. on release day); Grain: World Markets and Trade; Oilseeds: World Markets and Trade; Cotton: World Markets and Trade; Tobacco: World Markets and Trade; World Agricultural Production; the early release version of World Horticultural Products and U.S. Export Opportunities; and Tropical Products: World Markets and Trade (all available electronically after 3:00 p.m. Washington DC time on release day) as well as Sugar: World Markets and Trade; Livestock and Poultry: World Markets and Trade; Dairy: World Markets and Trade, and U.S. Planting Seed Trade (available within a week after release.)

You can read the reports on the FAS home page (<http://www.fas.usda.gov>). The reports remain "current" until the succeeding issue is available. Older issues are available in the archives section of the home page. We also make selected cover articles and graphics available from these publications, in a separate section of the site. Reports are also available from the Economic Bulletin Board at Stat-USA, on the same schedule. For more information, you may contact Stat-USA at (202) 482-1986 (Monday-Friday, 8:30-5:30 p.m. Washington, DC time.)

For more information on the FAS home page, contact Glenn Kaup, tel. (202) 720-3329; fax. (202) 720-3229; or via e-mail [kaup@fas.usda.gov](mailto:kaup@fas.usda.gov)

---

*The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, political beliefs, sexual orientation, and marital or family status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-5964 (voice and TDD).*

*To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14<sup>th</sup> and Independence Avenue, SW, Washington, DC 20250-9410 or call (202) 720-5964 (voice or TDD). USDA is an equal opportunity provider and employer."*